

Module Handbook

Bachelor of Wood Engineering

Valid since winter semester 2019/20

Hochschule für angewandte Wissenschaft und Kunst Hildesheim/Holzminden/Göttingen University of Applied Sciences and Arts

www.hawk.de/b

The module handbook lists all the compulsory and elective modules for the Bachelor's degree program in wood engineering at HAWK. Module descriptions may be revised as required and as decided by the relevant study commission, taking full account of accreditation conditions; in particular, the range of non-compulsory specialization modules may vary depending on the actual teaching capacity available.

The compulsory modules are mandatory for all wood engineering students and take place as indicated. The modules for the first semester are the same and mandatory for all students. As early as the 2nd semester, students are required to refine their profiles by choosing one of the two majors:

- Structural wood engineering
- Furniture and interior finishing

The decision about the choice of the specialization must be submitted in written form to the examination office in the last week of lectures in the first semester at the latest. For reasons of a formal nature, almost all the modules from the second to the fourth semester are compulsory elective modules; however, these are clearly assigned to the respective majors and are compulsory, i.e. they cannot be selected or exchanged. The modules for the majors cannot be selected from the associated areas according to the overview table below until the fifth semester onwards.

The specialization modules are offered either in the winter or in the summer semester; the details can be found in the respective module description. A total of 5 specialization modules for the major are to be completed; 4 of these are scheduled in the fifth semester of the standard period of study, and another practical or special project is to be completed in the seventh semester in connection with the final thesis. It cannot be guaranteed that all the specialization modules will take place in the specified semester in each case; this applies in particular to modules in which the use of teaching assistants is planned. A basic offer with the required minimum number of specialization modules for the major selected is only ensured in the winter semester; students are not entitled to have any specific specialization modules take place. Specialization modules with fewer than 5 participants cannot be held. These constraints, necessary for the maintenance of an orderly lecture schedule, must be taken into account by the students in the individual planning of their course of study.

It is strongly recommended that students choose the specialization modules, the practical semester, the practical project as well as the final thesis including the corresponding preparation module with great care and that they combine their courses in the best possible way. To do so, students are strongly advised to seek academic counseling.

The Bachelor's degree awarded upon completion of the program is a first professional qualifying degree at Level 1 of the Qualifications Framework for German Higher Education Qualifications. The degree qualifies the student to enter studies at Level 2 (Master's programs). Graduates who have successfully completed a major in *Structural Wood Engineering* can easily enroll in the Master's program in *Civil Engineering* at HAWK in Hildesheim.

Module overview

| Module no. | Module name | Credit points/semester | | | | | r | Work- load | Course atten dance time | Home study | Type of exam | |
|---------------|--|------------------------|---|---|---|--|----|---------------|----------------------------------|---------------|-----------------|----|
| | | | | 3 | 4 | | 6 | | | | | |
| BH 1-1 | Building materials science | 6 | | | | | | | 180 | 60 | 120 | K2 |
| BH 1-2 | Mathematics | 6 | | | | | | | 180 | 90 | 90 | K2 |
| BH 1-3 | Building construction 2, Building physics 1 | 6 | | | | | | | 180 | 90 | 90 | K2 |
| BH 1-4 | Technical mechanics, static 1 | 6 | | | | | | | 180 | 60 | 120 | K2 |
| BH 1-6 | Key qualifications | 3 | | | | | | | 90 | 30 | 60 | ST |
| BH 1-7 | Wood technology | 3 | | | | | | | 90 | 30 | 60 | K1 |
| BH 2-14 | Engineering computer science | | 3 | | | | | | 90 | 30 | 60 | K1 |
| BH 4-2 | Drywalling and finishing consstruction | | | | 6 | | | | 180 | 60 | 120 | ST |
| BH 6-1 | Practical training phase | | | | | | 30 | | 750 | 10 | 740 | ST |
| BH 7-2 | Module for preparation of final thesis | | | | | | | 6 | 180 | 3 | 177 | ST |
| BH 7-4 | Bachelor's thesis | | | | | | | 12 | 360 | 6 | 354 | AA |

(1) Compulsory modules (for all students in the Wood Engineering study program)

(2) Mandatory compulsory elective modules (major: Structural wood engineering)

| Module no. | Module name | Credit points/semester | | | | | r | Work- load | Course atten dance time | Home study | Type of exam | |
|---------------|--|------------------------|---|---|---|--|---|---------------|----------------------------------|---------------|-----------------|----|
| | | | | 3 | 4 | | 6 | | | | | |
| BH 2-1 | Wood engineering project 1 | | 6 | | | | | | 180 | 60 | 120 | PA |
| BH 2-3 | Building construction, Building physics 2 | | 6 | | | | | | 180 | 90 | 90 | K2 |
| BH 2-4 | Technical mechanics, static 2 | | 6 | | | | | | 180 | 90 | 90 | K2 |
| BH 2-9 | CAD-1 | | 6 | | | | | | 180 | 60 | 120 | ST |
| BH 2-12 | Wood as a building material | | 3 | | | | | | 90 | 30 | 60 | K1 |
| BH 3-1 | Wood engineering project 2 | | | 6 | | | | | 180 | 60 | 120 | PA |
| BH 3-2 | Wood engineering | | | 6 | | | | | 180 | 60 | 120 | K2 |
| BH 3-3 | Planning technology, prefabrication | | | 6 | | | | | 180 | 60 | 120 | K2 |
| BH 3-4 | Technical mechanics, static 3 | | | 6 | | | | | 180 | 60 | 120 | K2 |
| BH 3-5 | CAD-2 | | | 6 | | | | | 180 | 90 | 90 | K2 |
| BH 4-1 | Wood engineering project 3 | | | | 6 | | | | 180 | 60 | 120 | PA |
| BH 4-3 | Wood engineering | | | | 6 | | | | 180 | 90 | 90 | K2 |

| Module no. | Module name | Credit points/semester | | | | | Work- load | Course atten dance time | Home study | Type of exam |
|---------------|---|------------------------|---|---|----|---|---------------|----------------------------------|---------------|-----------------|
| BH 4-4 | Solid construction, Geotechnics | | 6 | | | | 180 | 90 | 90 | К2 |
| BH 4-5 | Surveying | | 6 | | | | 180 | 90 | 90 | ST |
| BH 5-1 | Wood engineering project 4 | | | 6 | | | 180 | 60 | 120 | PA |
| BHV xx | a total of four specialization | | | 6 | | | 180 | 60 | 120 | indiv. |
| BHV xx | modules, at least three of | | | 6 | | | 180 | 60 | 120 | indiv. |
| BHV xx | which must be from the | | | 6 | | | 180 | 60 | 120 | indiv. |
| BHV xx | chosen major | | | 6 | | | 180 | 60 | 120 | indiv. |
| BH 6-1 | Practical training phase | | | | 30 | | 750 | 10 | 740 | ST |
| BH 7-1 | Individual profile studies (HAWK Plus) | | | | | 6 | 180 | 60 | 120 | indiv. |
| BHV 98 | Practical training project (for the major) | | | | | 6 | 180 | 3 | 177 | indiv. |

(3) Mandatory compulsory elective modules (major: Furniture and interior finishing)

| Module no. | Module name | Credit points/semester | | | | | | Work- load | Course attend ance time | Home study | Type of exam | |
|---------------|---|------------------------|---|---|---|---|---|---------------|----------------------------------|---------------|-----------------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| BH 2-6 | Construction project | | 6 | | | | | | 180 | 60 | 120 | PA |
| BH 2-8 | Theory of construction | | 6 | | | | | | 180 | 60 | 120 | K2 |
| BH 2-10 | CAD 1 Furniture | | 6 | | | | | | 180 | 60 | 120 | ST |
| BH 2-11 | Wood type identification | | 3 | | | | | | 90 | 30 | 60 | K1 |
| BH 2-13 | Building survey, technical drawing | | 6 | | | | | | 180 | 60 | 120 | ST |
| BH 3-6 | Production technology project, business administration | | | 6 | | | | | 180 | 90 | 90 | PA |
| BH 3-7 | Wood production technology | | | 6 | | | | | 180 | 60 | 120 | K2 |
| BH 3-8 | Woodworking machines | | | 6 | | | | | 180 | 90 | 90 | K2 |
| BH 3-9 | Measurement and control technology | | | 6 | | | | | 180 | 60 | 120 | К2 |
| BH 3-10 | CAD 2 Furniture | | | 6 | | | | | 180 | 60 | 120 | ST |
| BH 4-6 | Project C-technology | | | | 6 | | | | 180 | 60 | 120 | PA |
| BH 4-8 | Project C-technology | | | | 6 | | | | 180 | 90 | 90 | K2 |
| BH 4-9 | Production planning | | | | 6 | | | | 180 | 90 | 90 | K2 |
| BH 4-10 | Business administration in industrial companies | | | | 6 | | | | 180 | 60 | 120 | К2 |
| BH 5-6 | Project 2: | | | | | 6 | | | 180 | 90 | 90 | PA |
| BHV xx | | | | | | 6 | | | 180 | 60 | 120 | indiv. |

| Module no. | Module name | Credit points/semester | | | | | Work- load | Course attend ance time | Home study | Type of exam |
|---------------|--|------------------------|--|---|----|---|---------------|----------------------------------|---------------|-----------------|
| BHV xx | a total of four specialization | | | 6 | | | 180 | 60 | 120 | indiv. |
| BHV xx | <i>modules, at least three of</i> <i>which must be from the</i> | | | 6 | | | 180 | 60 | 120 | indiv. |
| BHV xx | chosen major | | | 6 | | | 180 | 60 | 120 | indiv. |
| BH 6-1 | Practical training phase | | | | 30 | | 750 | 10 | 740 | ST |
| BH 7-1 | Individual profile studies (HAWK Plus) | | | | | 6 | 180 | 60 | 120 | indiv. |
| BHV 98 | Practical training project (for the major) | | | | | 6 | 180 | 3 | 177 | indiv. |

(4) Compulsory elective modules/majors modules

| Module no. | Module name | Credit points | Work- load | Course attendan ce time | Home study | Type of exam |
|---------------|---|------------------|---------------|-------------------------------|---------------|-----------------|
| Majors mo | odules in general | | | • | | |
| BHV 81 | Mudbrick building | 6 | 180 | 60 | 120 | ST |
| BHV 82 | Safety and health protection during construction work | 6 | 180 | 60 | 120 | K2 |
| BHV 98 | Practical training project | 6 | 180 | 3 | 177 | PA |
| BHV 99 | Special project | 6 | 180 | 3 | 177 | PA |
| Major: Str | uctural wood engineering | 1 | 1 | | | |
| BHV 30 | CAD/CAM and joinery in wood construction | 6 | 180 | 60 | 120 | KI+PA |
| BHV 31 | Special areas in wood engineering | 6 | 180 | 60 | 120 | K2* |
| BHV 33 | Wooden bridge construction | 6 | 180 | 60 | 120 | ST* |
| BHV 34 | Fire safety and wood protection (currently not offered) | 6 | 180 | 60 | 120 | R |
| BHV 35 | Fire safety | 3 | 90 | 30 | 60 | K1 |
| BHV 39 | Steel engineering | 6 | 180 | 60 | 120 | K2 |
| BHV 40 | Energy-efficient building | 6 | 180 | 60 | 120 | ST |
| BHV 44 | Building acoustics in wood construction | 3 | 90 | 30 | 60 | K1 |
| BHV 47 | FEM in structural wood engineering | 6 | 180 | 60 | 120 | ST |
| BHV 48 | Supporting structures in wood construction | 6 | 180 | 60 | 120 | ST |
| Major: Fur | niture and interior finishing) | | | | | |
| BHV 02 | CAD-CAM practical training project | 6 | 180 | 60 | 120 | ST |
| BHV 03 | CIM – Computer-integrated furniture production | 6 | 180 | 60 | 120 | PA |
| BHV 04 | Additive production technology | 6 | 180 | 60 | 120 | PA |
| BHV 05 | Experimental furniture design | 6 | 180 | 60 | 120 | ST |
| BHV o6 | Freehand drawing for engineerings | 6 | 180 | 60 | 120 | ST |
| BHV 07 | IMOS 1 Object-oriented CAD/CAM | 6 | 180 | 60 | 120 | PA |
| BHV o8 | IMOS 2 practical examples | 6 | 180 | 60 | 120 | PA |
| BHV 09 | Digitization in the wood and furniture industries | 6 | 180 | 60 | 120 | ST |
| BHV 10 | MSR laboratory (currently not offered) | 6 | 180 | 60 | 120 | ST |
| BHV 11 | Furniture design | 6 | 180 | 60 | 120 | |

*Prerequisite: Successful completion of BH 3-2 or BB 4-5

Note: The list of specialization modules in the elective area is not exhaustive; additional modules may be added based on demand. These modules are not offered every semester, but rather only as announced. If there are fewer than five participants, students are not entitled to have the module take place.



Part 1

Structural wood engineering

| Bachelor of Wood Engine Study semester Offered in 1st semester WS Allocation to study specialization All Can also be credited to study pro- Requirements according to examination Study/examination achievement Written examination (K2) - Module objectives/desire Students acquire basic km They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (Prof. DrIng. Iris Marqua | eering Rui | location to course of study Module name | | | | | Last updated | |
|--|---------------------------------------|---|-----------------------|------------------|-------------------------|------------------------|---------------------|------------|
| 1st semester WS Allocation to study specialization All Can also be credited to study pro- Requirements according to exam Study/examination achievement Written examination (K2) - Module objectives/desire Students acquire basic km They learn the basic printed durability, as well as build They are enabled to inde They are enabled to inde Students: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; sturequirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| Building materials science | | terials scienc | e BH | 1-1 | | 10.03.20 |)21 |
| Allocation to study specialization All Can also be credited to study pro- Requirements according to exam Study/examination achievement Written examination (K2 - Module objectives/desire Students acquire basic krr They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| 1 | | | Credit p 6 CP | oints | | Semester v 4 SWS | veek hours |
| Can also be credited to study pro- Requirements according to exan Study/examination achievement Written examination (K2) - Module objectives/desire Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; sto requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| n Resp | onsible for modu | ule | | teaching | , group size, | | |
| Requirements according to examination achievements Study/examination achievement Written examination (K2 Module objectives/desire Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde They are enabled to inde Staterial testing and que behavior towards liquids Mineral binding agents Concrete: Raw materia and quality assurance; str requirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in taken and strength assurance and strength and strength and strength assurance at strength assurance at strength as strength assurance at strength as strength as strength as strength a | | of. DrIng. Iris | Marquardt | Lectu | | | | |
| Study/examination achievement Written examination (K2 - Module objectives/desire Students acquire basic krr They learn the basic prind durability, as well as build They are enabled to inde They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brio 6. Synthetic materials in t Course attendance time (| ogram | | | Germ | ge of inst an | ruction | | |
| Written examination (K2, - Module objectives/desire Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde Contents: Basic studies: Technication material testing and quite behavior towards liquids Mineral binding agents Concrete: Raw materiation Concrete: Raw materiation Steel: Production, testition Artificial stone and brid Synthetic materials in time | mination regulations | | Recommended prei | requisites | | | | |
| Module objectives/desire Students acquire basic kristic They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Contents: Basic studies: Technica of material testing and quibehavior towards liquids Mineral binding agents Concrete: Raw materia and quality assurance; strirequirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in the string string strength | | 25 | If applicable, weight | ting of the st | udy/exar | mination achi | ievements | |
| Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| .) | | | | | | | |
| They learn the basic print durability, as well as build They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qui behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brio 6. Synthetic materials in t Course attendance time (| d learning outco | omes: | | | | | | |
| Basic studies: Technical of material testing and quibehavior towards liquids Mineral binding agents Concrete: Raw material and quality assurance; sturequirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in the course attendance time (| ding physics requ | uirements. | - | | - | | - | vior and |
| Concrete: Raw materia and quality assurance; str requirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in t Course attendance time (| uality assurance; and gases; therr | ; microstructu | ure and structure o | | | - | | |
| and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| S | | | | | | | |
| Course attendance time (| rength and defo | rmation beha | | | | - | - | - |
| | the building indu | ıstry | | | | | | |
| Prot. DrIng. Iris Marqua | | | Workload (in ho | - | | | | |
| | irdt | 4 LVS | Course attenda | | Home | - | nving | |
| | | | Lecture Exercise | 60 h | | e accompa kam prepa | | 120 h |
| | | - | Other | | | | | |
| Total classroom time | | 4 LVS | Total workload | | | | | 180 h |
| Optional extra | | | | | | | | |

| Allocation to course of study | Module name | | Course | Last updated | ted | | | |
|--|----------------------|---------------------|-----------------------------------|--------------|-------------------------|-----------------|-------|--|
| Bachelor of Wood Engineering | Math | ematics | BH | 11-2 | | 01.09.2018 | | |
| Study semester Offered in | | cinatics | Credit | points | | Semester week h | lours | |
| 1st semester WS Allocation to study specialization | Responsible for modu | le | 6 CP | fteaching | group size. | 6 SWS | | |
| All | Prof. DrIng. Axe | | Lectu | | , <u>8. e ap e.ce</u> , | | | |
| Can also be credited to study program | | | Language of instruction German | | | | | |
| Requirements according to examination re- | gulations | Recommended | | iun | | | | |
| | | | | | | | | |
| Study/examination achievements/ examination Written examination (K2) | ation types | If applicable, we | eighting of the s | tudy/exar | nination ach | ievements | | |
| - | | | | | | | | |
| Module objectives/desired learnin | ng outcomes: | | | | | | | |
| - They are able to solve problems | | | | | | | | |
| Equations and systems of linear of Determinants and matrices Vector algebra Functions and curves Differential calculus Basic principles of integral calcul | | | | | | | | |
| | | 1 | | | | | | |
| Course attendance time (in manda | | Workload (in hours) | | | | | | |
| Teaching assistant | 6 LVS | Course atter | | Home | | anving | | |
| | - | Lecture Exercise | 90 h | | e accompa kam prepa | | h | |
| | - | Other | | | 112.6 | | | |
| Total classroom time | 6 LVS | Total worklo | ad | | | 180 | 0 h | |
| Optional extra | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | |

| Allocation to course of study | Module n | ame | | Course | code | Internal | Last updat | ed | | | | |
|---|---|--|---|--------------------------------------|----------------------------|--------------|------------------------------------|------------|--|--|--|--|
| Bachelor of Wood Engineering | Buil | ding co | nstruction, | BH | 1-3 | | 01.09.20 |)18 | | | | |
| Study semester Offered in 1st semester WS Allocation to study specialization All | B Responsit | uilding | physics 1 | Credit p 6 CP Type of Lectu | f teaching Ire/exer | cise | Semester 6 SWS if applicable | week hours | | | | |
| Can also be credited to study program | | | | Germ | ge of insti I an | ruction | | | | | | |
| Requirements according to examination reg | ulations | | Recommended pre | | | | | | | | | |
| none | | | none | | | | | | | | | |
| Study/examination achievements/ examinat | ion types | | If applicable, weigh | hting of the s | tudy/exar | nination ach | nievements | | | | | |
| Written examination (K2) | | | | | | | | | | | | |
| - Module objectives/desired learning | g outcome | s: | | | | | | | | | | |
| Students acquire knowledge of the basic principles of building physics. They acquire knowledge about states. They develop the ability to recogn and discuss them across different of the building and construction tasks in of the building and construction tasks in of the apply design rule. They are able to independently principal states. | andardizat hize structo disciplines. endently ir context. es indepen | ion and bu ural design nplement s dently. | uilding authority and building ph structural design | licensing. nysics princ | ciples an | d modes | of action i | | | | | |
| Contents: Building design: - Basic legal principles of building p - Construction drawings - Building structure and load-bearin - Structural stability - Basic principles of brickwork const - Walls used in brickwork construct - Walls used in brickwork construct - Walls used in wood construction - Soil and foundation systems - Structural waterproofing and drait - Ceiling and floor design Building physics: - Basic principles of building physic - Protection against heat and humi | ng systems truction ion nage syste | | | | | | | | | | | |
| Course attendance time (in manda | tory bours | - 1.\/S) | Workload (in h | | | | | | | | | |
| Prof. Dr. A. Breukelman (Building d | · · | 4 LVS | Workload (in h Course attenda | | Home | study | | | | | | |
| Prof. Dr. M. Deck (Building physics) | 0 / | 2 LVS | Lecture | 60 h | | e accompa | anving | | | | | |
| | | - | Exercise | 30 h | | am prepa | | 90 h | | | | |
| | | - | Other | | | | | | | | | |
| Total classroom time | | 6 LVS | Total workload | d _ | | | | 180 h | | | | |
| Optional extra | | | | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | | | | |

| Allocation to course | to course of study Module name | | | Course | code | Internal | Last updated | | |
|---|--|---|--|----------------|---|-------------|---------------------------|--|--|
| Bachelor of Wo | ood Engineering | Technical r | nechanics, | BH | l 1-4 | | 06.04.2021 | | |
| Study semester 1st semester | Offered in WS | stat | - | Credit 6 CP | Credit points 6 CP | | Semester week hours 4 SWS | | |
| Allocation to study All Can also be credite | specialization d to study program | Responsible for modul Prof. DrIng. Tho | | Lectu | Type of teaching, group size, if applicable Lecture Language of instruction German | | | | |
| Requirements acco | rding to examination regu | lations | Recommended prei | requisites | | | | | |
| Study/examination Written exami | achievements/ examinati nation (K2) | on types | If applicable, weigh | ting of the s | tudy/exam | ination ach | ievements | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | | |
| - They are prof - They are able | confident in their use icient with respect to to model the structu to model the structu | o the simplest basic aral system of simple | principles and me e structures. | - | - | | | | |
| - Forces, mome - Equilibrium a | entum and force syst | ems | | | | | | | |
| Stability of rig Basic termino Method of se | id bodies logy used in structur ctions, shear diagram es, internal force var | 1 | | | plicatio | ı | | | |
| | | | 1 | | | | | | |
| | n ce time (in mandat homas Wedemeier | ory hours - LVS) 4 LVS | | | | | | | |
| דוט. וטוווון. ו | | - | LVS Course attendance time Home study Lecture 60 h Course accompanying | | | | | | |
| | | - | Exercise Other | | | am prepa | | | |
| Total classroon | n time | 4 LVS | Total workload | | | | 180 h | | |
| Optional extra | | | I | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|--|--------------------------|-------------------|-----------------------|------------------|---------------------------|
| Bachelor of Wood Engineer | ^{ing} Key qual | ifications | BH | 1-6 | | 01.09.2018 |
| Study semesterOffered in1st semesterWS | | | Credit p 3 CP | oints | I | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modul | | | teaching, re and e | | if applicable |
| Can also be credited to study progra | Prof. Dr. Frank Pr | екшпкеі | | ge of instru | | |
| - | | [| Germ | an | | |
| Requirements according to examina | ation regulations | Recommended pr | rerequisites | | | |
| Study/examination achievements/ | | If applicable, weig | ghting of the st | udy/exam | ination ach | ievements |
| Student research paper with | h colloquium | | | | | |
| Module objectives/desired l | earning outcomes: | | | | | |
| Students are aware of the d They are able to prepare pro They are able to create post They are aware of the desig | esentations targeted to spe ers with a color plotter. | cific audiences. | | | | |
| Basic principles of presentat Slides and poster design Preparing presentations, sta Delivering presentations Post-presentation analysis Rhetoric Examples of presentations f | ge fright | nd university, jo | ob applicatio | on | | |
| | | 1 | | | | |
| Course attendance time (in | | Workload (in | - | Home | -+ , , , , , , | |
| Teaching assistant | 2 LVS | Course attend Lecture | ance time 20 h | Home s | study accompa | anving |
| | | Exercise | 10 h | | am prepa | |
| Total classroom time | - 2 LVS | Other Total workloa | d | | | 90 h |
| Optional extra | 2 LVJ | | | | | |
| Literature is listed in Stud.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | |
|--|--------------------------|----------------------------|------------------|-------------|--------------|---------------------------|--|
| Bachelor of Wood Engineering | Wood to | echnology | BH | l 1-7 | | 01.09.2018 | |
| Study semester Offered in 1st semester WS | | | Credit p 3 CP | points | 1 | Semester week hours 2 SWS | |
| Allocation to study specialization | Responsible for modu | le | Type of | teaching, | group size, | if applicable | |
| All Can also be credited to study program | N.N. | | Langua | ge of instr | uction | | |
| - | | 1 | Germ | | | | |
| Requirements according to examination reg | ulations | Recommended pr | rerequisites | | | | |
| Study/examination achievements/ examination | tion types | If applicable, weig | ghting of the s | tudy/exan | nination ach | lievements | |
| Written examination (K1) | Vritten examination (K1) | | | | | | |
| - | | | | | | | |
| Module objectives/desired learning | g outcomes: | | | | | | |
| They will be able to explain the wo types of wood in practice. | od technological pro | operties based o | n the struc | ture and | l select ar | id apply different | |
| Forest, timber harvesting, eco-cycle European and tropical types of woo Wood anatomy Structure of a wood cell Tasks of a wood cell Types of cells Wood growth Wood properties based on the stru | od, differences | | | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in | hours) | | | | |
| Teaching assistant | 2 LVS | Workload (in Course attend | | Home | study | | |
| | - | Lecture | 20 h | Course | accompa | | |
| | - | Exercise | | and ex | am prepa | aration 60 h | |
| Total classes and time | - | Other Total worklos | 10 h | | | | |
| Total classroom time Optional extra | 2 LVS | Total workloa | u | | | 90 h | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course of study | Module name | | Course cod | le Internal | Last updated |
|---|--|--|-----------------------------|---------------------|---------------------|
| Bachelor of Wood Engineering | ^g Wood const | ruction proje | H BH 2 | 2-1 | 01.12.2018 |
| Study semester Offered in | | 1 | Credit poin | its | Semester week hours |
| 2nd semester SS Allocation to study specialization | Responsible for mo | - dule | 6 CP | aching, group size, | 4 SWS |
| Structural wood engineering | | nomas Wedemeier | | | ervision in groups |
| Can also be credited to study program | 1 | | | of instruction | |
| - Requirements according to examination | on regulations | Recommended prer | German equisites | | |
| | | | | | |
| Study/examination achievements/ exa | | If applicable, weight | ing of the study | y/examination ach | ievements |
| Project work with colloquium | | | | | |
| - Iodule objectives/desired lea | rning outcomes: | | | | |
| Toulle objectives/ desired lea | ining outcomes. | | | | |
| The students acquire knowled | | of a design and dra | wing repres | entation of a s | imple project base |
| on a wood frame constructior | | | | | |
| They should be able to indepe | | | | | - |
| recognize the structural, desig | | | - · · | equirements o | f timber frame |
| construction using the examp | le of a simple building p | project, in the overa | ll context. | | |
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| ontents: | | | | | |
| | g | | | | |
| - Execution and detail plannin | - | ils of the building. | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| Execution and detail plannin Development and drawing o | f the construction detai | | | | |
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| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| Execution and detail plannin Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification | f the construction detai s of protection against o | dampness | | | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification: | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in ho | | ome study | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification | f the construction detai s of protection against o | dampness Workload (in ho Course attendar | nce time H | ome study | anving |
| Contents: - Execution and detail plannin - Development and drawing o - Calculations and verifications - Calculations and verifications - Course attendance time (in m Prof. Dr. Th. Wedemeier | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in horizontal course attendar Lecture | nce time H | ourse accompa | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification: | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in ho Course attendar Lecture Exercise | nce time H 10 h Co ar | | |
| - Execution and detail plannin - Development and drawing o - Calculations and verifications - Course attendance time (in m Prof. Dr. Th. Wedemeier | andatory hours - LVS) 4 LVS | dampness Workload (in ho Course attendar Lecture Exercise Other | nce time H | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Total classroom time | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in ho Course attendar Lecture Exercise | nce time H 10 h Co ar | ourse accompa | |
| - Execution and detail plannin - Development and drawing o - Calculations and verifications - Course attendance time (in m Prof. Dr. Th. Wedemeier | andatory hours - LVS) 4 LVS | dampness Workload (in ho Course attendar Lecture Exercise Other | nce time H 10 h Co ar | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Fotal classroom time | andatory hours - LVS) 4 LVS | dampness Workload (in ho Course attendar Lecture Exercise Other | nce time H 10 h Co ar | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Fotal classroom time | andatory hours - LVS) 4 LVS | dampness Workload (in ho Course attendar Lecture Exercise Other | nce time H 10 h Co ar | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Fotal classroom time | andatory hours - LVS) 4 LVS | dampness Workload (in ho Course attendar Lecture Exercise Other | nce time H 10 h Co ar | ourse accompa | iration 120 h |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|--|--|--|--|---------------------------|----------|-----------------------|------------------------------|
| Bachelor of Wo | ood Engineering | Building co | onstruction, | BH | 2-3 | | 01.09.2018 |
| Study semester 2nd semester | Offered in SS | _ | physics 2 | Credit p 6 CP | oints | | Semester week hours 6 SWS |
| Allocation to study s Structural wood Can also be credited | engineering | Responsible for modu Prof. Dr Ing. Alfi | | Lectu | re/exer | cise | if applicable |
| Requirements accord | rding to examination regu | lations | Recommended prei Successful com | requisites | | | |
| Study/examination Written examin | achievements/ examinati nation (K2) | on types | If applicable, weigh | - | | nination ach | ievements |
| Module objectiv | ves/desired learning | outcomes: | | | | | |
| basic principles - They acquire I - They develop and discuss the - They develop building and co - They are able | ire knowledge of the of building physics. knowledge about sta the ability to recogn m across different d the ability to indepe nstruction tasks in c to apply design rules to independently pr | indardization and bi ize structural desigr isciplines. ndently implement ontext. s independently. | uilding authority I n and building phy structural design | licensing. ysics princ | iples an | d modes | of action in context |
| Sloped roofs Flat roofs Windows and Stairways Building physics Protection again | g construction e construction, wood doors s: | den panel construct | ion | | | | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in ho | ours) | | | |
| | ukelman (Building de | | Course attenda | | Home | | |
| Prof. Dr. M. De | ck (Building physics) | 2 LVS - | Exercise | 60 h 30 h | | e accompa am prepa | |
| Total classroom | time | 6 LVS | Other Total workload | | | | 180 h |
| Optional extra | | | · | | | | |
| is listed in Stud | J.IP | | | | | | |

| Allocation to course of stu | ιdγ | Module name | | Course | code | Internal | Last updated |
|---|--|---|---------------------------------------|---------------------------------------|-------------|--------------|---------------------|
| Bachelor of Wood E | ngineering | Technical n | nochanics | BH | 2-4 | | 06.04.2021 |
| Study semester Offe | ered in | | - | Credit p | oints | | Semester week hours |
| 2nd semester SS | | stat | | 6 CP | | | 6 SWS |
| Allocation to study specia Structural wood engin | | Responsible for modul Prof. DrIng. Tho | | Type of Lectu | | group size, | if applicable |
| Can also be credited to stu | udy program | 0 | - | | ge of instr | uction | |
| - | | | | Germ | an | | |
| Requirements according t | o examination regu | lations | Recommended prere BH 1-4, Static 1 | quisites | | | |
| Study/examination achiev | vements/ examination | on types | If applicable, weightin | ng of the st | udy/exam | nination ach | ievements |
| Written examination | n (K2) | | | | | | |
| Module objectives/d - Students are able t - They acquire skills - They are able to as - They acquire the p | to assess the sta for determining ssess the load-be | te of forces of static the internal stress earing capacity of st | of parts of the stru ructures. | cture. | | oad-beari | ng structures. |
| Reaction forces, inf Stresses, strain, slid Determination of a Determination of n Determination of s Stresses in case of | ding, material la rea values of cro ormal stresses d hear stresses du | ws oss-sections used in due to bending mor ie to shear forces ar | construction (cen nents and normal | ter of gra | avity, m | oments o | f area,) |
| Course attendance t | ime (in mandate | ary bours 11/S) | Markland (in ho) | | | | |
| Course attendance t Prof. DrIng. Thoma | | 6 LVS | Workload (in hou Course attendand | · · · · · · · · · · · · · · · · · · · | Home | study | |
| יוטידי אוויי. וע אוויי. וע אוויי | | - | | 0 h | | accompa | anving |
| | | | Exercise | • • • | | am prepa | |
| | | | Other | | | | |
| Total classroom time | 2 | 6 LVS | Total workload | | | | 180 h |
| Optional extra | | 0 2 4 3 | | | | | 100 11 |
| Literature is listed in Stud.IP | | | | | | | |

| | | Course | code | Internal | Last update | ed |
|---|--|---------------------|------------------------------|---|---|------------------------------------|
| | CAD-1 | BH | 2-9 | | 14.03.20 | 19 |
| | | Credit p | oints | | Semester v | veek hours |
| Responsible for m | odule | 6 CP | teaching | group size, i | 4 SWS | |
| | Volker Krämer | | | integrated | | 5 |
| 11011 011 1118 | | | ge of instr | - | | - |
| | | Germ | an | | | |
| on regulations | Recommended | prerequisites | | | | |
| amination types colloquium | If applicable, w | reighting of the st | udy/exam | nination achi | evements | |
| rning outcomes: | | | | | | |
| of digital tools in their CAD system in the fie al and practical basic (e 3D wooden structur and lists on the basis c | eld of timber cons CAD knowledge. res. | truction. | | | | |
| x 3D wood structures ections representations and c output for lists and din patial structure of his o production of the stru | of assembly plans nensioned single or her own choice | part drawings | | it all the p | lanning | |
| | | | | | | |
| | Workload (in | n hours) | | | | |
| andatory hours - LVS) | Course atter | ndance time | | | | |
| andatory hours - LVS) 4 LVS | | 60 h | | - | | |
| | Lecture | | and ex | am prepai | ration | 120 h |
| | Lecture Exercise | | | | | |
| | | | | | | |
| andatory | 4 LVS | - Lecture | - Lecture 60 h - Exercise | - Lecture 60 h Course - Exercise and ex | - Lecture 60 h Course accompa - Exercise and exam prepare | - Lecture 60 h Course accompanying |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|--|---|---------------------------|--------------------|-------------|---------------------------|
| Bachelor of Wood Engineeri | wood as | a building | BH | 2-12 | | 24.08.2018 |
| Study semesterOffered in2nd semesterSS | mat | • | Credit p 3 CP | ooints | | Semester week hours 2 SWS |
| Allocation to study specialization Structural wood engineering | Responsible for modul | | | | group size, | if applicable |
| Can also be credited to study progra | Prof. DrIng. Volk | ker Kramer | Lectu | re ge of instru | uction | |
| - | | - | Germ | | | |
| Requirements according to examination | tion regulations | Recommended provided Provided | | | | |
| Study/examination achievements/ e | xamination types | If applicable, weig | hting of the st | udy/exam | ination ach | ievements |
| Written examination (K1) - | | | | | | |
| Module objectives/desired le | arning outcomes: | | | | | |
| Students • learn about wood and woo • learn about the mechanica • learn how to sort construct • learn how to independentl • learn about the manufactu | l strength and damage me tion timber according to th y evaluate the stiffness, str | e normative prinength and dura | nciples. bility of str | | imber. | |
| Contents: • Wood anatomy/wood form • Wood characteristics/mech • Durability of structural tim • Wood physics • Strength grading of structur • Cut timber/solid wood pro • Glued laminated timber • Lab exercise | nanical properties of struct ber ral timber | ural timber | | | | |
| Course attendance time (in r | nandatory hours - LVS) | Workload (in h | nours) | | | |
| Prof. Dr. V. Krämer | 2 LVS | Course attenda | | Home | studv | |
| | - | Lecture | 30 h | | accompa | anying |
| | - | Exercise | | | am prepa | |
| | - | Other | | | | |
| Total classroom time Optional extra | 2 LVS | Total workload | d | | | 90 h |
| Literature is listed in Stud.IP | | | | | | |

| Bachelor of Wood Enginee Study semester Offered in 2nd semester SS | | | Course | code | Internal | Last updated |
|--|--|---|----------------------|--------------|-------------|------------------------|
| 1 | Engineer | ing compute | r BH | 2-14 | | 14.03.2019 |
| | - | cience | Credit p | oints | | Semester week hou |
| Allocation to study specialization | Responsible for m | | 3 CP | teaching. | group size. | 2 SWS if applicable |
| Structural wood engineering | Prof. DrIng. \ | | Lectu | | 0 | |
| an also be credited to study prog | gram | | | ge of instru | uction | |
| - Requirements according to exami | nation regulations | Recommended p | Germ rerequisites | dli | | |
| | | | | / | | |
| tudy/examination achievements Written examination (K1) | / examination types | If applicable, wei | ghting of the si | udy/exam | ination ach | levements |
| - | | | | | | |
| Iodule objectives/desired | learning outcomes: | | | | | |
| Students | | | | | | |
| are able to take advanta | ge of digital tools in their | working environm | ent. | | | |
| are familiar with basic te | | - | ent. | | | |
| know common construct | | - | rd engineer | ing tasks | | |
| know the structure of us | | | | | | |
| know that results of com | puter-aided calculations | must be subjected | to critical se | crutiny. | | |
| • can solve engineering ta | | | | | - | |
| know the basics of a property | gramming language. | | | | | |
| are able to read and deb | ug program code. | | | | | |
| are familiar with basic al | - | | | | | |
| understand the meaning | and application of object | -oriented program | nming. | | | |
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| ontents: | | | | | | |
| Presentation of software | solutions for standard er | gineering tasks | | | | |
| Criteria for the selection | | | | | | |
| short presentation of FEI | | | ution | | | |
| Introduction to a spread | sheet program | | | | | |
| Introduction to a program | mming language | | | | | |
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| | | | h a | | | |
| Course attendance time (in | | Workload (in | | Home | study | |
| | n mandatory hours - LVS) 2 LVS - | Course attend | lance time | Home | | anving |
| C ourse attendance time (in DiplIng. C. Seifart | | Course attend | | Course | accompa | |
| | | Course attend | lance time | Course | | |
| | | Course attend Lecture Exercise | lance time 30 h | Course | accompa | |
| DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | lance time 30 h | Course | accompa | ration 60 h |
| DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | lance time 30 h | Course | accompa | ration 60 h |
| DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | lance time 30 h | Course | accompa | ration 60 h |

| Allocation to course of study | Module name | | Course | code | Internal | Last updat | ed |
|---|--|------------------------------------|---------------|-------------|--------------|------------------------------|------------|
| Bachelor of Wood Engineering | | | . BH | 3-1 | | 01.12.20 | |
| Study semester Offered in | Wood constr | uction projec 2 | Ct Credit p | - | | | week hours |
| 3rd semester WS | | | 6 CP | | | 4 SWS | |
| Allocation to study specialization Structural wood engineering | Responsible for modu Prof. DrIng. The | | | | | if applicable ervision in | |
| Can also be credited to study program | | mas weacherer | - | ge of instr | | | 8.0000 |
| - | | | Germ | an | | | |
| Requirements according to examination re | egulations | Recommended prer | equisites | | | | |
| Study/examination achievements/ examin Project work with colloquium | ation types | If applicable, weight | ing of the st | udy/exan | nination ach | ievements | |
| Module objectives/desired learni | ng outcomes: | | | | | | |
| construction. In the process, they will acquire k familiar with production and man | - | - | - | - | uilding de | sign and b | pecome |
| Development of the final buildin representation of the structural Preparation of position plans as Development and drawing of th execution (execution planning) | draft (draft planning well as static calculat | g) tion and dimension | ning (perr | nit plan | ning) | | raphic |
| Course attendance time (in mand | atory hours - 11/S) | Workload (in he | | | | | |
| Prof. Dr. Th. Wedemeier | 6 LVS | Workload (in ho Course attendar | | Home | studv | | |
| | - | 1 | 10 h | | accompa | anying | |
| | - | Exercise | | | am prepa | | 120 h |
| | - | Other | 50 h | | | | |
| Total classroom time | 6 LVS | Total workload | | | | | 180 h |
| Optional extra | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed |
|--|---|---|-------------------------------------|-----------------------------|---------------------|--------------------------|-------------------------|------------|
| Bachelor of Wo | ood Engineering | Wood en | gineering | BH | I 3-2 | | 23.08.20 |)18 |
| Study semester 3rd semester | Offered in WS | | Sincering | Credit p 6 CP | ooints | | Semester v 4 SWS | veek hours |
| Allocation to study | | Responsible for modul | | | | | if applicable | |
| Structural wood Can also be credited | | Prof. DrIng. Volk | ker Krämer | | ge of instru | exercises | | |
| - | | | | Germ | | | | |
| Requirements acco | rding to examination regu | lations | Recommended pr Wood as a bu | | erial | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weig | hting of the s | tudy/exam | ination ach | ievements | |
| Written examii - | nation (K2) | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| in accordance • learn to conn • are enabled t | dependently design e with standards. ect the components o apply timber const er these solution con | to each other in a for ruction-specific solu | orce-fit manner ution concepts f | using pin-s or simple ti | haped, r mber co | netallic fa nstructio | asteners. n projects | |
| Basic principl supports) Verification o risk of tilting Basic principl | objects, wood techn es for the dimension f the stability of buck es for the dimension es for the design and | ing of structural cor kling bars and bendi ing of pin-shaped fa | ing beams made isteners (e.g. ba | e of wood a r dowels, n | nd wood ails) | l-based m | | |
| | | | | | | | | |
| | nce time (in mandat | ory hours - LVS) | Workload (in h | - | | | | |
| Prof. Dr. V. Krä | mer | 4 LVS | Course attend | | Home | | | |
| | | - | Lecture | 40 h | | accompa | | 120 h |
| | | - | Exercise | 20 h | and exa | am prepa | ration | 120 h |
| Total elecene com | time | - | Other Total workloa | 4 | | | | 100 5 |
| Total classroom Optional extra | time | 4 LVS | Total workloa | a | | | | 180 h |
| Literature | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last update | ed |
|---|--|--|--|----------------------------|-------------------|--------------|---------------------|------------|
| Bachelor of Wo | ood Engineering | Planning to | echnology, | BH | 3-3 | | 09.07.20 | 18 |
| Study semester 3rd semester | Offered in WS | prefabr | | Credit p 6 CP | oints | | Semester v 4 SWS | veek hours |
| Allocation to study | | Responsible for modul | | | | | if applicable | |
| Structural wood | | Prof. DrIng. Volk | er Krämer | | act stud | | | |
| Can also be credited | a to study program | | | Germ | ge of insti an | ruction | | |
| Requirements acco | ding to examination regu | ulations | Recommended pr | erequisites | | | | |
| Study/examination | achievements/ examinat | ion types | If applicable, weig | hting of the st | udv/evar | nination ach | ievements | |
| Written examin | | ion types | | _ | | | | |
| - | | | 1/2 Planning | technology | - 1/ Z P | relabricat | .1011 | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| are familiar w know that the can weigh up know the fun know the spa | with common roof, content e constructions have the advantages and ction of roof, ceiling tial interaction of part with preliminary plan | of construction for w eiling and wall const to meet static, strug disadvantages of w and wall panels. anels to brace buildir ning, draft planning, | ructions. ctural and produc orkshop produc ngs. | uction requ tion versus | constru | uction site | e productio | n. |
| Evaluation cri Evaluation cri Details of roo Information c Basic information o Breakdown o Application o Preparation c Basic information Basic information | teria for construction teria for material f, ceiling and wall co on the topics of elem tion on load transfe f costs according to f the HOAI (fee calcu f specifications tion on the building tion on planning reg | onstructions nents, manufacturing r and bracing DIN 276 llation for architects code | g, transport and and engineers) | assembly | ruction | | | |
| Course attenda | nce time (in mandat | tory hours - LVS) | Workload (in l | hours) | | | | |
| Teaching assist | | 2 LVS | Course attend | | Home | studv | | |
| DiplIng. C. Sei | | 2 LVS | Lecture | 60 h | | e accompa | anying | |
| | | | Exercise | | | am prepa | | 120 h |
| | | - | Other | | | | | |
| Total classroom | time | 4 LVS | Total workloa | d | | | | 180 h |
| Optional extra | d.IP | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last update | ed |
|--|-----------------------|---------------------|----------------|-------------|--------------|---------------------|------------|
| Bachelor of Wood Engineering | Technical n | nechanics | BH | 13-4 | | 06.04.20 |)21 |
| Study semester Offered in 3rd semester WS | stat | - | Credit | points | | Semester v 4 SWS | veek hours |
| Allocation to study specialization | Responsible for modu | | | | | if applicable | |
| Structural wood engineering Can also be credited to study program | Prof. DrIng. Tho | mas Wedemeier | | ge of instr | | d exercise | |
| - | | | Germ | | | | |
| Requirements according to examination regu | lations | Recommended pro | | | | | |
| Study/examination achievements/ examinati | on types | If applicable, weig | hting of the s | tudy/exan | nination ach | ievements | |
| Written examination (K2) | | | | | | | |
| - | | | | | | | |
| Module objectives/desired learning | outcomes: | | | | | | |
| | | | | | | | |
| - Students are able to assess the de | | of load-bearing | structures | and to o | quantitati | vely | |
| determine deformation variables. | | | | | | | |
| They acquire skills for determining result of load and constraint actio | | ehavior of static | ally indete | rminate | structure | es as a | |
| - They are able to assess the influer | | on the load-bea | ring behav | vior. | | | |
| - They are able to assess the stabilit | | | - | | | | |
| - They understand the quantitative | | | | nding to | orsion buc | kling load | s of |
| prismatic components. | | | | | | | |
| - They are able to analyze the beha | vior of supporting st | tructures under | mobile loa | ding. | | | |
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| Contents: | | | | | | | |
| | | | | | | | |
| - Solution of the differential equation | - | - | | | | | |
| Application of the working theore Determination of internal forces or | | | | | | | ations |
| - Checks of internal forces calculation | | | | i ioice ii | lagintuue | methous | |
| - Elastic stability of bar supports | , | | | | | | |
| - Determination of influence lines | | | | | | | |
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| | | | | | | | |
| Course attendance time (in mandat | ory hours - LVS) | Workload (in h | ours) | | | | |
| Prof. DrIng. Thomas Wedemeier | 4 LVS | Course attenda | - | Home | study | | |
| | - | Lecture | 60 h | | e accompa | anying | |
| | - | Exercise | | - | am prepa | | 120 h |
| | - | Other | | | | | |
| Total classroom time | 4 LVS | Total workload | d | | | | 180 h |
| Optional extra | | | | | | | |
| | | | | | | | |
| Literature | | | | | | | |
| is listed in Stud.IP | | | | | | | |
| | | | | | | | |

| Allocation to course | of study | Module name | | Course | code | Internal | Last updated | k |
|---|--|---|---|--|---|--------------|--|----------|
| Bachelor of Wo | od Engineering | CA | D-2 | Bł | 3-5 | | 14.03.201 | 19 |
| Study semester 3rd semester Allocation to study Structural wood Can also be credited | engineering | Responsible for modu Prof. DrIng. V. K | le | Lectu | f teaching, a re with age of insta | integrate | Semester we 6 SWS if applicable d exercises | ek hours |
| - Requirements acco | ding to examination re | gulations | Recommended | Gern prerequisites | nan | | | |
| | 0 | | BH 2-9 CAD | | | | | |
| Study/examination Written examin | achievements/ examina nation (K2) | ation types | If applicable, w | eighting of the s | tudy/exar | nination ach | ievements | |
| Module objectiv | es/desired learnin | ng outcomes: | | | | | | |
| are able to ap learn in the a know the me know interfac know how to | pply many of the sp ccompanying lectu aning of e.g. layer f ces for data exchan extract and insert I the exercise are c | -1 on a 3D structure f pecial modules require re the theoretical bas technology, coordinat ge with other CAD or digital information fro poordinated in such a | ed in timber co sics of 2D and te systems and CAM systems om BIM mode | onstruction. 3D CAD/CAM d different el 5. els. | 1 system ement t | ıs. ypes. | he overall | |
| Working with Creating deta Generating la Creating para | a joinery program ils for the automat mella extension ar meterized 3D designery systems using | ic production of wall, nd press bed in glulam | , ceiling and ro construction | | | | | |
| <u> </u> | | | | | | | | |
| Course attenda Teaching assist | nce time (in manda | atory hours - LVS) 4 LVS | Workload (in Course atter | | Home | study | | |
| Teaching assist | | 2 LVS | Lecture | 90 h | | e accompa | anying | |
| 5 | | - | Exercise | | | am prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroom | time | 6 LVS | Total worklo | bad | | | | 180 h |
| Optional extra Literature is listed in Stud | J.IP | | | | | | | |

| Bachelor of Wood Engineering Wood construction project BH 4-1 01.12.2018 Study semester Offered in SS S Credit points Semester week hours Allocation to study specialization Responsible for module Type of teaching, group size, if applicable Project work with supervision in groups Can also be credited to study program Project work with supervision in groups Language of instruction - Requirements according to examination regulations Recommended prerequisites If applicable, weighting of the study/examination achievements/ examination types Project work with colloquium - If applicable, weighting of the study/examination achievements Project work with colloquium - - - - - - | Allocation to cours | e of study | Module name | | Course code | Internal | Last updated |
|--|--|--|--|--|---|---|--|
| Study semester Offered in SS Credit points Semester week hours 4th semester SS Allocation to study specialization A SWS Allocation to study specialization Responsible for module Type of teaching, group size, if applicable Structural wood engineering Prof. DrIng. Thomas Wedemeier Type of teaching, group size, if applicable Creating and the study program - Image of instruction - - Recommended prerequisites Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project work they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | Bachelor of W | ood Engineering | Wood construction | nroject | BH 4-1 | | 01.12.2018 |
| 4uit serifiester 35 - 6 CP 4 3w3 Allocation to study specialization Responsible for module Type of teaching, group size, if applicable Structural wood engineering Prof. DrIng. Thomas Wedemeier Type of teaching, group size, if applicable Can also be credited to study program - - - - - Recommended prerequisites Language of instruction German - - - - Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - - - - - - Addule objectives/desired learning outcomes: - - - Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. - They are enabled to develop their own learning strategies and conduct independent research. Within the project work they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | , | | | project | Credit points | | Semester week hours |
| Structural wood engineering Prof. DrIng. Thomas Wedemeier Project work with supervision in groups Can also be credited to study program - Canguage of instruction - - German Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project work they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | | | |
| Can also be credited to study program Language of instruction - Language of instruction Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Adule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wort they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | | | |
| - German Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium If applicable, weighting of the study/examination achievements - Addule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | Prof. DrIng. Thomas Wee | demeier | - | - | ervision in groups |
| Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Aodule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | - Can also be credite | d to study program | | | | ruction | |
| Project work with colloquium - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | Requirements acco | rding to examination r | egulations Recomm | ended prereq | uisites | | |
| Project work with colloquium - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussior | tudv/examination | achievements/ examin | lation types If applica | ble, weighting | of the study/exar | nination ach | ievements |
| Adule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | 5 of the study char | | |
| Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | - | | | | | | |
| Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | | | |
| | They are enabl they develop t | ils of a structurally ed to develop the heir own team, co | challenging wooden building. r own learning strategies and o nflict, facilitation and leadershi | p skills and | are also able t | o conduct | project discussion |
| | They are enabl they develop t in English. The Contents: | ils of a structurally ed to develop the heir own team, co project improves | challenging wooden building. r own learning strategies and on flict, facilitation and leadershi their motivation, professional o | p skills and | are also able t edness and agil | o conduct ity, as wel | project discussion l as their creativity |
| language) | They are enabl they develop t in English. The ontents: • Project mana language) | ils of a structurally ed to develop the heir own team, co project improves gement with spec | al consideration of interdiscipl | p skills and open-minde | are also able t edness and agil | o conduct ity, as wel | project discussion l as their creativity |
| language) • Design and comparison of structural systems in terms of aesthetics, wood construction, statics and economics | They are enabl they develop t in English. The ontents: • Project mana language) • Design and co | ils of a structurally ed to develop the heir own team, co project improves gement with spec | challenging wooden building. r own learning strategies and o nflict, facilitation and leadershi heir motivation, professional o al consideration of interdiscipl tural systems in terms of aesth | p skills and open-minde | are also able t edness and agil | o conduct ity, as wel | project discussion l as their creativity |
| language) Design and comparison of structural systems in terms of aesthetics, wood construction, statics and economics Structural design of the selected structure | They are enabl they develop t in English. The Contents: • Project mana language) • Design and co • Structural de | ils of a structurally ed to develop the heir own team, co project improves gement with spec omparison of struct sign of the selecte | challenging wooden building. r own learning strategies and o nflict, facilitation and leadershi heir motivation, professional o al consideration of interdiscipl tural systems in terms of aesth d structure | p skills and open-minde linary and in netics, wood | are also able t edness and agil ntercultural asp d construction, | o conduct ity, as wel pects (proj statics an | project discussion l as their creativity |
| Project management with special consideration of interdisciplinary and intercultural aspects (project language) Design and comparison of structural systems in terms of aesthetics, wood construction, statics and economics Structural design of the selected structure Processing of the service phases of preliminary planning, draft, permit and execution planning Proposals and plans for the manufacture, prefabrication and assembly of the building, as well as the choice of buildi materials | They are enable they develop t in English. The Contents: • Project mana language) • Design and co • Structural de • Processing of • Proposals and | ils of a structurally ed to develop the heir own team, co project improves gement with spec omparison of struct sign of the selecte the service phase | challenging wooden building. r own learning strategies and on inflict, facilitation and leadershi their motivation, professional of al consideration of interdiscipl tural systems in terms of aesth d structure s of preliminary planning, draft | ip skills and open-minde linary and ir netics, wood t, permit an | are also able t edness and agil ntercultural asp d construction, ad execution pla | o conduct ity, as wel pects (proj statics an anning | project discussion l as their creativity ject d economics |

- Considerations for optimizing the economy/cost of the selected design
- Preparation of the contract awarding
- Presentation of milestone-specific results of project processing in English

| Course attendance time (in mandatory hours - LVS) | | Workload (in hours) | | | | | |
|---|-------|---------------------|-------------|----------------------|-------|--|--|
| Prof. Dr. Th. Wedemeier | 6 LVS | Course atter | ndance time | Home study | | | |
| | - | Lecture | 10 h | Course accompanying | | | |
| | - | Exercise | | and exam preparation | 120 h | | |
| | - | Other | 50 h | | | | |
| Total classroom time | 6 LVS | Total worklo | bad | | 180 h | | |
| | | | | | - | | |
| Optional extra | | | | | | | |
| Optional extra | | | | | | | |
| Optional extra | | | | | | | |

is listed in Stud.IP

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | |
|--|--|--|----------------|----------------------------|---------------|---------------------|--|--|
| Bachelor of Wood Engineering | | | | 14-2 | | 01.09.2018 | | |
| Study semester Offered in | Drywall | ing and | Credit | | | Semester week hours | | |
| 4th semester SS | finishing co | nstruction | 6 CP | | | 4 SWS | | |
| Allocation to study specialization | Responsible for modu | le | | - | if applicable | | | |
| All | N.N. | | | re/exer | | | | |
| Can also be credited to study program | | | Langua Germ | ge of insti I an | ruction | | | |
| Requirements according to examination regu | ulations | Recommended pr | | | | | | |
| Study/examination achievements/ examinat | | If applicable, weighting of the study/examination achievements | | | | | | |
| Student research paper with colloc - | luium | | | | | | | |
| Module objectives/desired learning | outcomes: | 1 | | | | | | |
| Knowledge of materials, types of a Knowledge of soundproofing and Ability to develop an execution ar design interrelationships and dependently prepare a Ability to independently prepare a | fire safety for interind d detailed design pl ndencies | or finishing Ian taking into a | | | | _ | | |
| Contents: - Materials in drywall and finishing - Wall, ceiling and floor design - Designs with special requirements - Development of a finishing plan a | | ail planning with | nin the scop | e of a p | ractical p | roject | | |
| Course attendance time (in mandat | tory hours - LVS) | Workload (in l | hours) | | | | | |
| Prof. Dr. A. Breukelman | 4 LVS | Course attend | | Home | study | | | |
| | - | Lecture | 30 h | | e accompa | anying | | |
| | - | Exercise | 30 h | | am prepa | | | |
| | - | Other | | | | | | |
| Total classroom time | 4 LVS | Total workloa | d | ı <u> </u> | | 180 h | | |
| Optional extra | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|-----------------------|---------------------|------------------|-------------|--------------|------------------------------|
| Bachelor of Wood Engineering | Wood e | ngineering | BH | 4-3 | | 03.07.2018 |
| Study semester Offered in 4th semester SS | | 0 0 | Credit p 6 CP | oints | | Semester week hours 6 SWS |
| Allocation to study specialization | Responsible for mode | ule | | teaching | group size, | if applicable |
| Structural wood engineering | Prof. DrIng. Vo | | | act stud | | . I. I. |
| Can also be credited to study program | | | | ge of instr | uction | |
| - Requirements according to examination reg | | Recommended pr | Germ | an | | |
| Requirements according to examination reg | gulations | Wood engine | | 2 | | |
| Study/examination achievements/ examina | tion types | If applicable, weig | hting of the s | udy/exan | nination ach | ievements |
| Written examination (K2) | | 2/3 Wood en | gineering - | 1/3 Wo | ood panel | ing |
| Module objectives/desired learnin | g outcomes: | | | | | |
| | | | | | | |
| Students learn further joining techniques in | timbor construction | a and how to yor | ify thom in | accorda | nco with | standards |
| Students are also able to determin | | | | | | |
| buckling lengths. | | i lanyaras ana tri | e innuenee | | | |
| Students learn how to determine i | internal forces on co | omposite membe | ers (rigid an | d yieldir | ng) and ho | w to verify |
| composite members. | | | | | | |
| They learn to design and verify lar | • | | non-paralle | el compo | onent edg | es. |
| They are familiar with the load-be They are able to calculate woode | - | | choor field | | | |
| - They can carry out the structural | - | | | ording t | o the Fur | opean design |
| standard. | survey and serviced | | | or ann b | | opean design |
| - They know about the necessary s | storage conditions a | nd the interactio | n of woode | n panel | s. | |
| - They can plan and calculate the s | | | | | | |
| - They are familiar with several for | ms of construction of | of wooden panel | S. | | | |
| Contents: | | | | | | |
| Methods of joining in carpentry | | | | | | |
| Specially designed dowels | | | | | | |
| • Screws | | | | | | |
| Yielding of connections | | | | | | |
| Bending resistant connections, s Composite components | pring stiffnesses | | | | | |
| Pitched roof girders | | | | | | |
| Saddle roof girders (straight / culture) | rved bottom chord) | | | | | |
| | | | | | | |
| • Calculating the internal and exte | • | | anels | | | |
| Explanation of the design rules b Static verifications for wall, ceiling | • | tandardization | | | | |
| Calculation of the deformation of the deformat | | | | | | |
| Calculation of bracing systems | i wooden panels | | | | | |
| 0, | | | | | | |
| | | 1 | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in l | hours) | | | |
| Prof. Dr. V. Krämer | 4 LVS | Course attend | 1 | Home | | |
| DiplIng. C. Seifart | 2 LVS | Lecture | 90 h | | e accompa | |
| | - | Exercise Other | | and ex | am prepa | |
| Total classroom time | - 6 LVS | Total workloa | d | | | 180 h |
| Optional extra | 0 LV3 | | ч | | | 10011 |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | | | |
|---|---|--|--|--|--|-----------------------|-----------------------|-----------|--|--|--|
| Bachelor of Wo | ood Engineering | Solid con | struction, | BH | 4-4 | | 01.06.2021 | 1 | | | |
| Study semester 4th semester | Offered in SS | | chnics | Credit p 6 CP | points | | Semester wee 6 SWS | ek hours | | | |
| Allocation to study | | Responsible for modul | | | ype of teaching, group size, if applicable | | | | | | |
| Structural wood Can also be credited | | Prof. DrIng. Mic | hael Hansen | Lectu | i re ge of insti | ruction | | | | | |
| - | | | | Germ | | action | | | | | |
| Requirements acco | rding to examination regu | lations | Recommended pr Static 1 - 3 | rerequisites | | | | | | | |
| | achievements/ examinat | on types | If applicable, weighting of the study/examination achievements | | | | | | | | |
| Written examir | nation (K2) | | | | | | | | | | |
| Module objectiv | es/desired learning | outcomes: | | | | | | | | | |
| Solid construct | ion: | | | | | | | | | | |
| | the basic principles | of reinforced concre | ete design in un | cracked and | d cracke | d conditio | ons. They are | e able to | | | |
| | s-section design und | | - | | | - | - | | | | |
| | on the basis of this. | | | | | | | | | | |
| | outline the total reinforcement required. In addition, students know how to design brickwork structures and how to execute them correctly from a structural and design point of view. | | | | | | | | | | |
| | | | | | | | | | | | |
| Geotechnics: | | | | | | | | | | | |
| | a basic working knov o understand a subs | - | | | ndation | | co havo a ha | sic | | | |
| - | eep foundations and | | - | shallow lou | nuation | is. They al | SU Have a Da | SIC | | | |
| Contents: | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| Basic principle Dimensioning | on (reinforced conc es of bending and sh and construction of nd basics of reinforc | ear force design of r standard structural | | - | | ned ceiling | gs,) | | | | |
| Design rules a | | ement design | | | | | | | | | |
| | on (brickwork const | | | | | | | | | | |
| - | rials and load-bearin | - | vork | | | | | | | | |
| - Basic principle | es in the design of br | ickwork structures | | | | | | | | | |
| Geotechnics: | | | | | | | | | | | |
| | soils as well as meth | | | | | | | | | | |
| - Classification | of soils according to | various criteria and | determination | of relevant | soil me | chanical p | roperties | | | | |
| - - Load-bearing | behavior of the subs | oil and measures fo | r subsoil improv | vement | | | | | | | |
| - | ecuring the excavation | | | | | | | | | | |
| | | | 1 | | | | | | | | |
| | nce time (in mandat | | Workload (in | - | | | | | | | |
| | abil. M. Hansen | 4 LVS | Course attend | 1 | Home | - | | | | | |
| Prof. DrIng. G | . Maybaum | 2 LVS | Lecture | 90 h | | e accompa am prepa | | 90 h | | | |
| | | - | Exercise Other | | | | | | | | |
| Total classroom | time | 6 LVS | Total workloa | id in the second | | | 1 | 180 h | | | |
| Optional extra | | | 1 | | | | 1 - | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Literature is listed in Stud | | | | | | | | | | | |
| | J.IF | | | | | | | | | | |
| | | | | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | |
|--|--|--|-------------------------------|-------------|--------------|-----------------------------|----|
| Bachelor of Wood Engineering | Surv | eying | BH | I 4-5 | | 01.09.2018 | |
| Study semester Offered in 2nd semester SS | | -78 | Credit p 6 CP | ooints | 1 | Semester week hour 6 SWS | rs |
| Allocation to study specialization Structural wood engineering | Responsible for modu | | Type of | teaching, | group size, | if applicable | |
| Can also be credited to study program | Prof. DrIng. Axe | l Stodter | Langua | ge of instr | uction | | |
| - | | | Germ | ian | | | |
| Requirements according to examination regu | ulations | Recommended pr | rerequisites | | | | |
| Study/examination achievements/ examinat | ion types | If applicable, weig | ghting of the s | tudy/exam | nination ach | ievements | |
| Student research paper without co | lloquium | | | | | | |
| - Module objectives/desired learning | outcomes: | | | | | | |
| Students will independently apply a below using concrete and practical evaluations of professional practice accuracies and increase them, if ne with special reference to the projec as well as for inventories for redeve | examples and comp e. They should be ab cessary. They are to ct study in the field o | oile or map and le to estimate r acquire practic | draw equired al knowled | - | | | |
| Basic principles of surveying Building survey Staking out buildings Leveling Recording the profile Determining area and mass Trigonometry, introduction to tac Routing elements for road construction | | ne, tachymetric | survey | | | | |
| Course attendance time (in mandat | tory hours - LVS) | Workload (in | hours) | | | | |
| Prof. Dr. A. Stödter | 6 LVS | Course attend | | Home | study | | |
| DiplIng. S. Wethkamp | 4 LVS | Lecture | 30 h | Course | accompa | | |
| | - | Exercise | 60 h | and ex | am prepa | ration 90 h | |
| Total classroom time | - Other In LVS Total workload | | | | | 180 h | |
| Optional extra | 10100 | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course code | Internal | Last updated | | |
|---|------------------------------|-----------------------|--|---|------------|---------------------|--|--|
| Bachelor of Wood Engineering Wood constru | | uction project | BH 5-1 | | 01.12.2018 | | | |
| Study semester | Offered in | | | Credit points | | Semester week hours | | |
| 5th semester | WS | | 4 | | | 4 SWS | | |
| Allocation to study | specialization | Responsible for modul | e | Type of teaching, group size, if applicable | | | | |
| Structural wood | engineering | Prof. DrIng. Tho | Project work with supervision in groups | | | | | |
| Can also be credited | d to study program | | | Language of instruction | | | | |
| - | | | | German | | | | |
| Requirements accor | rding to examination regu | ulations | Recommended prerequisites | | | | | |
| | | | | | | | | |
| Study/examination | achievements/ examinat | ion types | If applicable, weighting of the study/examination achievements | | | | | |
| Project work w | Project work with colloquium | | | | | | | |
| - | | | | | | | | |
| | | | | | | | | |

Module objectives/desired learning outcomes:

Students are to acquire in-depth and comprehensive knowledge (LP 1 - 6) within the scope of planning timber structures for new buildings as well as for existing buildings. On the one hand, the students are to independently develop an overall concept for the new construction of a structure made of wood, with special consideration for a specific utilization concept. On the other hand, the students are to deal with the special features of construction in existing buildings by being given a construction task on an existing building. The respective supporting structures are to be designed, constructed, dimensioned, depicted in drawings, assessed in terms of construction costs and prepared for the invitation to tender in the form of service specifications. They are enabled to develop their own learning and work strategies and to conduct independent research to successfully complete complex planning tasks.

Within the project work they develop their own team, conflict, facilitation and leadership skills. They are also able to conduct project discussions in English. In addition, the project improves their motivation, professional open-mindedness and agility, as well as their creativity.

Contents:

• Development, set-up and operation of a project management system for the respective sub-projects with special consideration of a quality-oriented, on-time and efficient project processing (quality, deadlines, costs)

- Complete draft (LP 1 6) of a new building in timber construction taking into account a special concept of use
- Complete draft (LP 1 6) of a timber construction within the scope of a conversion/extension or modernization measure (construction in existing buildings)
- Detailed design of the structures, justification of the choice of building materials
- Detailed description of the manufacturing, prefabrication and assembly process
- Determination of construction costs in the degree of accuracy of a cost calculation (DIN 276)
- Presentation of ways to optimize the economic efficiency of the designs in the investment and operation phases
- Processing of work phases 1 to 6 according to HOAI

| Course attendance time (in mandatory hours - LVS) | | Workload (in hours) | | | | | |
|---|-------|---------------------|------------------------|----------------------|--|--|--|
| Prof. Dr. Th. Wedemeier | 6 LVS | Course atte | ndance time Home study | | | | |
| | - | Lecture | 10 h | Course accompanying | | | |
| | - | Exercise | | and exam preparation | | | |
| | - | Other | 50 h | | | | |
| Total classroom time | 6 LVS | Total workl | Total workload | | | | |
| Optional extra | • | | | | | | |
| | | | | | | | |
| | | | | | | | |

Literature

is listed in Stud.IP

| Allocation to course | of study | Module name | | Course code | Internal | Last updated | | |
|-----------------------|--------------------------|-----------------------|---|---|----------|---------------------|--|--|
| Bachelor of Wo | od Engineering | Practical tra | Practical training phase | | | 01.06.2021 | | |
| Study semester | Offered in WS | | 0 0 0 0 0 0 | Credit points | | Semester week hours | | |
| 6th semester | + SS | | | 30 CP | | n/a | | |
| Allocation to study s | specialization | Responsible for modul | e | Type of teaching, group size, if applicable | | | | |
| All | | Prof. Dr. Ing. Mari | Pre- and post-seminar, practical phase | | | | | |
| Can also be credited | l to study program | _ | | Language of instr | uction | | | |
| - | | | German | | | | | |
| Requirements accor | ding to examination regu | lations | Recommended prerequisites | | | | | |
| All CP from 1st | and 2nd semester, a | further 45 CP from | | | | | | |
| semesters 3 to | 5 | | | | | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weighting | ing of the study/examination achievements | | | | |
| Seminar paper | | | 15 weeks of prac | weeks of practical training (translates as 24 CP, pass/fail | | | | |
| | | | research paper (report) and seminar paper (translates as 6 C will be graded | | | | | |

Module objectives/desired learning outcomes:

- Application of previously acquired knowledge and skills in everyday professional practice, engineering work
- Gain competencies in an area that the student has designated for future employment
- Working in the training center is designed to give students some orientation for finding a topic for their Bachelor's thesis
- Stimulation to link non-specialist content with the student's own training to date
- Development of independent decision-making ability
- Presentation of the professional and social competence acquired during the course of study

Contents:

Practical phase supervised by the wood engineering program of the Faculty of Architecture, Engineering and Conservation in a company, e.g. in the wood construction or furniture industry, in an engineering office, or comparable The company/institution must ensure that engineering supervision is possible during the practical phase, i.e. at least 1 engineer must provide supervision in the company (training facility). The regulations for the practical phase according to the Praxisphasenordnung (PraxisO) must be observed.

| Course attendance time (in mandatory | Workload (in hours) | | | | | |
|--------------------------------------|---------------------|----------------|------------|----------------------|-------|--|
| Entire teaching staff, per student | 0.1 LVS | Course attend | lance time | e Home study | | |
| | - | Lecture | | Course accompanying | | |
| | - | Exercise a | | and exam preparation | 740 h | |
| | - | Other | 10 h | | | |
| Total classroom time | 0.1 LVS | Total workload | | | 750 h | |
| Optional extra | | | | | | |

Literature

is listed in Stud.IP

| Allocation to course of study | Module name | | Course | code | Internal | Last upda | ted |
|--|---------------------------------|-----------------------|------------------|----------------------------|-------------------|-------------------|--------------------|
| Bachelor of Wood Engineering | Individual p | rofile studies | | l 7 -1 | | 01.09.2 | |
| Study semesterOffered in WS7th semester+ SS | | | Credit p 6 CP | points | | Semester 4 SWS | week hours |
| Allocation to study specialization All | Responsible for modul HAWK plus | le | Cours from | se-depei HAWK p | ndent, ac plus | if applicable | e o information |
| Can also be credited to study program | | | Langua Germ | ge of instr I an | uction | | |
| Requirements according to examination reg | ulations | Recommended prer | equisites | | | | |
| Study/examination achievements/ examina Course-dependent - | tion types | If applicable, weight | ing of the si | tudy/exan | nination ach | nievements | |
| Module objectives/desired learning | g outcomes: | 1 | | | | | |
| Areas of competence of the Individ • Thinking and acting like an entre • Leadership skills • Communication and individual skills • Social and societal skills • Media skills • Interdisciplinary specialized know • Language competence | preneur | PS) | | | | | |
| Contents: | | | | | | | |
| See the IPS Module Handbook for (https://www.hawk.de/de/hochsc ilstudium) | | | rale-einri | chtunge | n/hawk-p | olus/indivi | duelles-prof |
| Course attendance time (in manda | tory hours - LVS) | Workload (in ho | ours) | | | | |
| up to | 4 LVS | Course attendar | - | Home | study | | |
| | - | Lecture | | | e accompa | | |
| | - | Exercise | | and ex | am prepa | ration | 120 h |
| | - | | 60 h | | | | |
| Total classroom time | 4 LVS | Total workload | | | | | 180 h |
| Optional extra | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course o | code | Internal | Last updated | |
|---|--|---|---|-------------------|------------|---------------------------------|----------------------------|------------|
| Bachelor of Wo | ood Engineering | Module for p | reparation o | of BH | 7-2 | | 01.09.2018 | |
| Study semester 7th semester | Offered in WS + SS | the fina | - | Credit po 6 CP | oints | 1 | Semester week hours n/a | |
| Allocation to study | specialization | Responsible for modul | e | | | , group size, xercise | if applicable | |
| Can also be credite | d to study program | N.N. | | Languag | e of instr | | | |
| - | rding to examination reg | | Recommended prer | Germa | an | | | |
| Requirements acco | | guiations | Recommended prei | equisites | | | | |
| | achievements/ examina ch paper without co | | If applicable, weight | ing of the stu | udy/exan | nination ach | ievements | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | |
| Gain knowled Ability to grading Development | lge and skills in a fies and present the s of independent de | ication of the method eld that the student h state of the art in a gi ecision-making ability ise in a given subject a | nas designated for iven subject area | | | r's thesis | | |
| Prepare and te | st experimental set | literature searches co ups, test procedures ods of academic work | or similar | | | - | | 4 - |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | ours) | | | | |
| All professors, | | 0.2 LVS | Course attendar | | Home | study | | |
| | | - | Lecture | | | e accompa | | |
| | | - | Exercise Other | 3 h | and ex | am prepa | ration 177 h | |
| Total classroom | n time | 0.2 LVS | Total workload | J | | | 180 h | |
| Optional extra | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course of | study | Module name | | Course | code | Internal | Last update | ed |
|--|---------------------------------------|--|----------------------------------|----------------------------|---------------------------|-------------|-------------------|------------|
| Bachelor of Wood | l Engineering | Bacheloi | r's thesis | BH | 7-4 | | 01.09.20 | 18 |
| ' | Offered in WS + SS | Buencio | 5 110515 | Credit p 12 CP | | I | Semester v n/a | veek hours |
| Allocation to study spe All | cialization | Responsible for modul | е | Type of n/a | teaching, | group size, | if applicable | |
| Can also be credited to | study program | | | Languag Germ | ge of instru an | uction | | |
| Requirements accordin 174 CP from seme | | lations | Recommended pre | erequisites | | | | |
| Study/examination ach | | on types | If applicable, weigh | hting of the st | udy/exam | ination ach | ievements | |
| Final thesis with c | olloquium | | | | | | | |
| Module objectives | /desired learning | outcomes: | | | | | | |
| Develop and derPresentation of | monstrate indepe the acquired meth | ate of the art in a gi ndent decision-mak nodological compete quired in a given sub | ing skills ence | | | | | |
| Carrying out pract own conclusions and/or Performing techni | ical investigations | re reviews with class , test procedures or ith factual/technica ect area in the field | similar with eva | aluation, di esentation | scussion | and the | student's | |
| Course other days | - * * | | | | | | | |
| Course attendance | e ume (in manuat | 0.3 LVS | Workload (in h Course attenda | | Home | studv | | |
| Second examiner | | 0.1 LVS | Lecture | | Course | accompa | | |
| | | - | Exercise | | and exa | am prepa | ration | 354 h |
| Total classroom ti | me | - 0.4 LVS | Other Total workload | 6 | | | | 360 h |
| Optional extra | | | | | | | | 1 |
| Literature is listed in Stud.II | р | | | | | | | |

| | | | | 0 | | | | |
|---|-------------------|----------------------------|---|-------------------------|--|--------------------|----------------------------|-------|
| Allocation to course of study | | Module name | | Course | | Internal | Last update | |
| Bachelor of Wood Engineer | Practi | i <mark>cal tra</mark> i | ining projec | .L | V 98 | | 01.09.2018 | |
| Study semesterOffered in WS7th semester+ SS | | | | | Credit points 6 CP | | Semester week hours n/a | |
| Allocation to study specialization All | | Responsible for moduleN.N. | | | Type of teaching, group size, if applicable Supervised external project | | | |
| Can also be credited to study progra | | | | Language of instruction | | | oject | |
| - | | | | | German | | | |
| Requirements according to examination regulations | | | Recommended prerequisites | | | | | |
| Study/examination achievements/ examination types Project work with colloquium - | | | If applicable, weighting of the study/examination achievements | | | | | |
| Module objectives/desired l | earning outcomes | 5: | | | | | | |
| Practical training projects can be carried out in all the subject areas of wood engineering Depending on the task, a subject-specific or interdisciplinary project with high practical relevance is carried out in cooperation with an engineering firm, a company, a specialist authority, etc. Students deal with a task that is narrowly defined in terms of content and scope, carry out experimental (laboratory/field) investigations if necessary, and work out solutions largely independently. They are able to assess the effects and consequences of the solutions they have developed themselves, and they can make technical and economic assessments and classifications. | | | | | | | | |
| Practical projects with differ The assignment is coordinat task of the Bachelor's thesis | ed with the stude | nts, the p | roject partners a | nd the su | pervisor | s for the i | | |
| | | | | | | | | |
| Course attendance time (in mandatory hours - LVS)Entire teaching staff, per student0.2 LVS | | | Workload (in hours) Course attendance time Home study | | | | | |
| Entire teaching starr, per sti | uuent | 0.2 LVS | Lecture | ince time | | study e accompa | anving | |
| | | - | Exercise | 3 h | | am prepa | | 177 h |
| | | - | Other | | | | | |
| Total classroom time0.2 LVS | | | Total workload 180 h | | | | | |
| Optional extra | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | |



Part 2

Furniture and interior finishing

| Bachelor of Wood Engineering Building materials science BH 1-1 10.03.2021 Study ensenter Circling points Semester Sem | Allocation to course | e of study | Module name | | Course co | ode | Internal | Last updat | ed |
|--|----------------------|--------------------------|----------------------|-----------------------|----------------|----------|---------------|---------------|-----------|
| Study senester Offered in Dufficing materials science Order points Senester week h All coation is study secalization Responsible for module Prof. DrIng. Iris Marquardt The points of the study program The study second of the study program The study second of the study program The study second of the study program of the stu | | | | | BH | 1-1 | | | |
| ist semester VS 6 CP 4 SWS Allocation to study specialization Prof. DrIng. Iris Marquardt Type of traching roup size, if applicable Can also be credited to study program Prof. DrIng. Iris Marquardt Larguage of instruction Requirements according to examination regulations Recommended prerequisites Study/coamination achievements/ coamination types If applicable, weighting of the study/coamination achievements/ Written examination (K2) If applicable, weighting of the study/coamination achievements Study/coamination achievements/ coamination types If applicable, weighting of the study/coamination achievements Study to basic principles for the appropriate use of building materials and their behavior under different stress They are enabled to independently expand and update learned knowledge from the areas covered. Ontents: 1. Assic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building material; mechanical behavior behavior towards liquids and gases; thermal behavior of normal concrete; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavi | Study semester | Offered in | _ Building mat | erials science | e | | | | |
| All Prof. Dring. Iris Marquardt Lecture Can abe be credited to study program Improvide of instruction Requirements according to examination regulations Recommended prerequisites Study/coarnination achievements/ osamination types If applicable, weighting of the study/examination achievements Written examination (K2) If applicable, weighting of the study/examination achievements • Module objectives/desired learning outcomes: Study-towards and weighting physics requirements. If applicable, weighting of the study/examination achievements They are enabled to independently expand and update learned knowledge from the areas covered. Image and the prevention of a structure of building materials and building materials properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Morkload (in hours) Prof. Dring, Iris Marquardt 4 LVS | | - | | | 6 CP | | | | |
| Can also be credited to study program If the Dr. Ing. No Indiguore Language of instruction German Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Written examination (K2) - - - Module objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Ontents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic ma | | specialization | | | | - | , group size, | if applicable | |
| Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Written examination (K2) - - - Module objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Unable basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng, Iris Marquardt 4 LVS Course attendance time Home study <t< td=""><td></td><th>d to study program</th><td></td><td>ivial qual ut</td><td></td><td></td><td>ruction</td><td></td><td></td></t<> | | d to study program | | ivial qual ut | | | ruction | | |
| Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Written examination (K2) . Andule objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress Students acquire basic knowledge of the properties of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortas 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng, Iris Marquardt 4 LVS Course attendance time Home study - 0 ther </td <td>-</td> <th></th> <td></td> <td><u> </u></td> <td></td> <td>in</td> <td></td> <td></td> <td></td> | - | | | <u> </u> | | in | | | |
| Written examination (K2) - Module objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 12c | Requirements accor | rding to examination reg | gulations | Recommended prere | equisites | | | | |
| Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time - Lecture 60 h Course accompanying and exam preparation - - Lecture 60 h Course accompanying and exam preparation | | | ation types | If applicable, weight | ing of the stu | ıdy/exan | mination ach | ievements | |
| Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time - Lecture 60 h Course accompanying and exam preparation - - Lecture 60 h Course accompanying and exam preparation | Module obiectiv | ves/desired learnin | g outcomes: | | | | | | |
| 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Vorkload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time 4 LVS Course attendance time Home study - 0 ther 120 | durability, as w | ell as building physi | sics requirements. | - | | - | | - | vior and |
| of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time i Home study Course accompanying and exam preparation 120 120 120 120 120 120 120 120 | | . Toobaical building | | ation of building m | atorials on | المراجع | ding moto | rial propo | rtioc, bo |
| 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Morkload (in hours) Interval of the study Int | of material test | ing and quality assu | urance; microstructu | re and structure o | | | - | | |
| and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 120 120 120 120 120 120 120 120 120 | 2. Mineral bind | ing agents | | | | | | | |
| 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Workload (in burs) Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Other - 120 | and quality assu | urance; strength an | | | - | | • | • | - |
| 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Other - 0 - <td>4. Steel: Produc</td> <th>ction, testing , requi</th> <td>irements</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 4. Steel: Produc | ction, testing , requi | irements | | | | | | |
| Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Exercise - Other - | 5. Artificial stor | ne and brickwork | | | | | | | |
| Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Exercise - Other 120 | 6. Synthetic ma | iterials in the buildin | ng industry | | | | | | |
| - Lecture 60 h Course accompanying and exam preparation 120 - Other - 0 - | Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | ours) | | | | |
| - Exercise and exam preparation 120 - Other | Prof. DrIng. Ir | is Marquardt | 4 LVS | Course attendan | nce time | Home | study | | |
| - Other | | | - | | | | - | | 1001 |
| | | | | 1 1 | | and ex | kam prepa | ration | 120 h |
| Total classroom time | Total classes are | | - | | L | | | | 100 - |
| Total classroom time 4 LVS Total workload 180 Optional extra | | i time | 4 LVS | lotal workload | | | | | 180 h |
| | optional extra | | | | | | | | |
| | | | | | | | | | |
| Literature | Literature | | | | | | | | |
| is listed in Stud.IP | LICCIACAIC | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | k |
|---|----------------------|-------------------|-------------------|-------------|-----------------------|--------------|-----------|
| Bachelor of Wood Engineering | Math | ematics | BH | 11-2 | | 01.09.201 | 8 |
| Study semester Offered in | | cinatics | Credit | points | | Semester we | eek hours |
| 1st semester WS Allocation to study specialization | Responsible for modu | le | 6 CP | fteaching | group size. | 6 SWS | |
| All | Prof. DrIng. Axe | | Lectu | | , 51000 5120, | | |
| Can also be credited to study program | | | Langua Germ | ge of instr | ruction | | |
| Requirements according to examination rep | gulations | Recommended | | | | | |
| | | | | | | | |
| Study/examination achievements/ examination Written examination (K2) | ation types | If applicable, we | eighting of the s | tudy/exan | nination ach | lievements | |
| - | | | | | | | |
| Module objectives/desired learnin | ig outcomes: | | | | | | |
| - They are able to solve problems | | | | | | | |
| Equations and systems of linear of Determinants and matrices Vector algebra Functions and curves Differential calculus Basic principles of integral calcul | | | | | | | |
| | | | | | | | |
| Course attendance time (in manda | | Workload (ir | | | | | |
| Teaching assistant | 6 LVS | Course atten | | Home | | | |
| | - | Lecture | 90 h | | e accompa am prepa | | 90 h |
| | - | Exercise Other | | | an hiche | | 50 11 |
| Total classroom time | 6 LVS | Total worklo | ad | I | | | 180 h |
| Optional extra | I | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ted |
|--------------------------------|---|--|---------------------|------------------|---------------------------|---------------------------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | Building co | onstruction, | BH | I 1-3 | | 01.09.20 | 018 |
| Study semester 1st semester | Offered in WS | - | physics 1 | Credit p 6 CP | ooints | | Semester 6 SWS | week hours |
| Allocation to study All | specialization | Responsible for mode Prof. DrIng. Alf | | | teaching | g, group size, r cise | if applicable | 9 |
| Can also be credited | d to study program | | | Langua Germ | ge of inst I an | ruction | | |
| | rding to examination regu | ulations | Recommended pr | erequisites | | | | |
| none | | · · · · · · · · · · · · · · · · · · · | none | | | | | |
| Written examination | achievements/ examinat | ion types | If applicable, weig | snting of the s | tudy/exai | mination ach | lievements | |
| - | | | | | | | | |
| - | ves/desired learning | | -bearing and non | -load-beari | ng buil | ding struct | tures and | |
| | of building physics. | | | | | | | |
| | knowledge about sta | | | - | | | . . | _ |
| | the ability to recogr m across different c | - | in and building p | hysics princ | ciples ar | nd modes | of action | in context |
| | the ability to indepe | • | t structural desig | n and build | ling phy | sics reaui | rements i | n solving |
| | instruction tasks in c | | | | 01-7 | | | 0 |
| - | to apply design rule | | | | | | | |
| - They are able | to independently pr | roduce construction | n drawings. | | | | | |
| Contents: | | | | | | | | |
| | | | | | | | | |
| Building design | : nciples of building p | lanning | | | | | | |
| - Construction | | lanning | | | | | | |
| | ture and load-bearir | ng systems | | | | | | |
| - Structural sta | - | | | | | | | |
| | es of brickwork cons brickwork construct | | | | | | | |
| | wood construction | 1011 | | | | | | |
| - Soil and found | | | | | | | | |
| | terproofing and drai | nage systems | | | | | | |
| - Ceiling and flo | oor design | | | | | | | |
| Building physic | ç. | | | | | | | |
| | es of building physics | 5 | | | | | | |
| - Protection ag | ainst heat and humi | dity | | | | | | |
| Course attenda | nce time (in mandat | tory hours - LVS) | Workload (in l | hours) | | | | |
| | ukelman (Building d | | Course attend | - | Home | study | | |
| | ck (Building physics) | U , | Lecture | 60 h | | e accompa | anying | |
| | | - | Exercise | 30 h | | xam prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroom | n time | 6 LVS | Total workloa | d | | | | 180 h |
| Optional extra | | | | | | | | |
| | | | | | | | | |
| Literature | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | |
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| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|--|--|---|------------------------------------|----------------|--------------|---------------------|------------------------------|
| Bachelor of Wo | ood Engineering | Technical r | nechanics, | BH | l 1-4 | | 06.04.2021 |
| Study semester 1st semester | Offered in WS | stat | - | Credit 6 CP | points | | Semester week hours 4 SWS |
| Allocation to study All Can also be credite | specialization d to study program | Responsible for modul Prof. DrIng. Tho | | Lectu | ge of instru | | if applicable |
| Requirements acco | rding to examination regu | lations | Recommended prei | requisites | | | |
| Study/examination Written exami | achievements/ examinati nation (K2) | on types | If applicable, weigh | ting of the s | tudy/exam | ination ach | ievements |
| Module objectiv | ves/desired learning | outcomes: | | | | | |
| - They are prof - They are able | confident in their use icient with respect to to model the structu to model the structu | o the simplest basic aral system of simple | principles and me e structures. | - | - | | |
| Contents: | and former and | | | | | | |
| Equilibrium a Stability of rig Basic termino Method of se | id bodies logy used in structur ctions, shear diagram es, internal force var | al engineering, type າ | | | oplicatio | n | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in ho | ours) | | | |
| | homas Wedemeier | 4 LVS | Course attenda | | Homes | | |
| | | - | Lecture Exercise | 60 h | | accompa am prepa | |
| | | - | Other | | | | |
| Total classroon | n time | 4 LVS | Total workload | | | | 180 h |
| Optional extra | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|-----------------------|---------------------|------------------|-----------|---------------------|---------------------------|
| Bachelor of Wood Engineering | Key qual | ifications | BH | l 1-6 | | 01.09.2018 |
| Study semester Offered in 1st semester WS | | | Credit p 3 CP | oints | 1 | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modu | | | | | if applicable |
| All Can also be credited to study program | Prof. Dr. Frank Pr | ekwinkel | | re and e | | |
| - | | | Germ | | action | |
| Requirements according to examination regu | ulations | Recommended p | rerequisites | | | |
| Study/examination achievements/ examinat | ion types | If applicable, wei | ghting of the st | tudy/exam | nination ach | ievements |
| Student research paper with colloc | Juium | | | | | |
| - | | | | | | |
| Module objectives/desired learning Students are aware of the different | | Inrecentation | | | | |
| They are able to prepare presentat | | | | | | |
| They are able to create posters wit | | | | | | |
| They are aware of the design conce | epts and their implei | mentation. | | | | |
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| Contents: | | | | | | |
| Basic principles of presentation tec | hnology | | | | | |
| Slides and poster design | 0, | | | | | |
| Preparing presentations, stage fright | nt | | | | | |
| Delivering presentations | | | | | | |
| Post-presentation analysis Rhetoric | | | | | | |
| Examples of presentations from pro | ofessional practice a | nd university. i | ob applicati | on | | |
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| | | 1 | | | | |
| Course attendance time (in mandat | | Workload (in | - | | | |
| Teaching assistant | 2 LVS | Course attend | 1 | Home | | anving |
| | - | Lecture Exercise | 20 h 10 h | | accompa am prepa | |
| | - | Other | 1011 | | | |
| Total classroom time | 2 LVS | Total workloa | ad | | | 90 h |
| Optional extra | | 1 | | | | I |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|----------------------|---------------------------------|------------------|-------------|--------------|---------------------------|
| Bachelor of Wood Engineering | Wood t | echnology | BH | l 1-7 | | 01.09.2018 |
| Study semesterOffered in1st semesterWS | | | Credit p 3 CP | points | 1 | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modu | le | Type of | teaching, | group size, | if applicable |
| All Can also be credited to study program | N.N. | | Langua | ge of instr | uction | |
| - | | 1 | Germ | | | |
| Requirements according to examination regu | ulations | Recommended pr | erequisites | | | |
| Study/examination achievements/ examinat | ion types | If applicable, weig | hting of the s | tudy/exan | nination ach | lievements |
| Written examination (K1) | | | | | | |
| - | | | | | | |
| Module objectives/desired learning | ; outcomes: | | | | | |
| They will be able to explain the woo types of wood in practice. | od technological pro | operties based o | n the struc | ture and | l select ar | 1d apply different |
| Forest, timber harvesting, eco-cycle European and tropical types of woo Wood anatomy Structure of a wood cell Tasks of a wood cell Types of cells Wood growth Wood properties based on the stru | od, differences | | | | | |
| Course attendance time (in mandat | tory bours LVS | Monthland (in) | | | | |
| Course attendance time (in mandat Teaching assistant | 2 LVS | Workload (in I Course attend | | Home | studv | |
| | - | Lecture | 20 h | | e accompa | |
| | - | Exercise | | and ex | am prepa | aration 60 h |
| Total closers and there | - | Other Total worklas | 10 h | | | |
| Total classroom time Optional extra | 2 LVS | Total workloa | a | | | 90 h |
| Literature is listed in Stud.IP | | | | | | |

| Allessites is a first | a de stat | | | | 1 | 1 |
|--|---|--|----------------------------------|-----------------|---------------------------------|------------|
| Allocation to course of study | Module name | | Course code | Internal | Last updat | |
| Bachelor of Wood Engineering Study semester Offered in 2nd semester SS | Construct | ion project | BH 2- Credit points 6 CP | - | 01.09.20 Semester v 4 SWS | veek hours |
| Allocation to study specialization Furniture and interior finishing Can also be credited to study program - | Responsible for mode N.N. | ule | | | | |
| Requirements according to examination | regulations | Recommended prer Module BH 2-8 time | equisites | n Theory of | constructi | on at same |
| Study/examination achievements/ exami Project work with colloquium | nation types | If applicable, weight | ing of the study/e | examination ach | nievements | |
| | | | | | | |
| | | | | | | |
| Contents: Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards | ection of a concept | | | | |
| Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards e, poster and colloquit | ection of a concept um | | | | |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards e, poster and colloquit datory hours - LVS) | ection of a concept um Workload (in hc | ours) | | | |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture Course attendance time (in man Teaching assistant | L echniques procedure for the sele ing to valid standards e, poster and colloquid datory hours - LVS) 6 LVS | ection of a concept um Workload (in ho Course attendar | ours) nce time Ho | me study | anving | |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards e, poster and colloquit datory hours - LVS) | workload (in hc Course attendar | ours) nce time Ho 10 h Cou | irse accomp | | 120 h |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture Course attendance time (in man Teaching assistant | L echniques procedure for the sele ing to valid standards e, poster and colloquid datory hours - LVS) 6 LVS | Workload (in ho Course attendar Lecture | ours) nce time Ho 10 h Cou | | | 120 h |

Optional extra

| Literatu | re | |
|-----------|----|---------|
| is listed | in | Stud.IP |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|-------------------------------------|---|---|------------------------|----------------|-------------------|----------------|------------------------|
| Bachelor of Wo | ood Engineering | Construct | tion theory | BH | 12-8 | | 01.09.2018 |
| Study semester | Offered in | construct | cion cicory | Credit | points | | Semester week hour |
| 2nd semester Allocation to study | WS specialization | Responsible for modu | le | 6 CP | fteaching | g, group size, | 4 SWS if applicable |
| Furniture and in | terior finishing | N.N. | | Lectu | ire | | |
| Can also be credite | d to study program | | | Langua Germ | ge of inst Nan | ruction | |
| Requirements acco | rding to examination re | gulations | Recommended pr | | | | |
| | achievements/ examination | ation types | If applicable, weig | hting of the s | tudy/exa | mination ach | lievements |
| Written exami - | nation (K2) | | | | | | |
| Module objectiv | ves/desired learnir | ng outcomes: | | | | | |
| | | d methodology of dra e basis of practical ex | | cording to ' | VDI 222 | 1 and hov | v to apply construct |
| Students are a | hle to assess and e | valuate a design on th | hasis of vario | us criteria | | | |
| Students are a | | | | us criteria. | | | |
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| Contents: | | | | | | | |
| Construction p | rocedures accordin | ng to VDI 2221 | | | | | |
| | | ods intuitively, system | natically-analytic | ally, triz-ba | ased, | | |
| | rafting and elaborat | | | | | | |
| | s of technical draw rniture and interior | ring and drawing orga | nization accordi | ng to ISO 9 | 001 | | |
| | inture and interior | misning | | | | | |
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| Course attenda | ance time (in manda | atory hours - LVS) | Workload (in | hours) | | | |
| Teaching assist | | 4 LVS | Course attend | | Home | study | |
| | | - | Lecture | 60 h | | e accompa | |
| | | - | Exercise | | and e | xam prepa | aration 120 h |
| Total classroon | n time | - 4 LVS | Other Total workloa | d | | | 180 h |
| Optional extra | _ | | | | | | 200 11 |
| | | | | | | | |
| | | | | | | | |
| Literature | | | | | | | |
| is listed in Stu | u.IP | | | | | | |

| Study/examination ad Student research - Module objective Students should understand CAD understand CAD | Offered in SS becialization erior finishing to study program ling to examination regu chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Responsible for mode Prof. DrIng. Fra ulations tion types olloquium g outcomes: ndently create exter | Recommended pr | Lecture v Language of German erequisites hting of the study, | ts ching, group size, with exercises f instruction /examination ach | nievements |
|---|---|--|--|--|---|------------------------|
| 2nd semester Allocation to study sp Furniture and inter Can also be credited to - Requirements accord Study/examination action Student research - Module objective Students should understand CAD Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | SS pecialization erior finishing to study program ling to examination regu- chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Responsible for mode Prof. DrIng. Fra ulations tion types olloquium g outcomes: ndently create exter | ule Ink Prekwinkel Recommended pr If applicable, weig | 6 CP Type of tead Lecture v Language of German erequisites hting of the study, | ching, group size, with exercises f instruction /examination ach | 4 SWS if applicable |
| Allocation to study sp Furniture and inter Can also be credited for - Requirements accord Study/examination action Student research - Module objective Students should understand CAD Students action - Contents: - General handlir - Coordinates, of - Object selection - Layering techni | becialization erior finishing to study program ling to examination regu chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Prof. DrIng. Fra | Recommended pr | Type of tead Lecture v Language of German erequisites hting of the study, | with exercises f instruction /examination ach | if applicable |
| Furniture and inte Can also be credited t - Requirements accord Study/examination ac Student research - Module objective Students should understand CAD Students and CAD | erior finishing to study program ling to examination regu- chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Prof. DrIng. Fra | Recommended pr | Lecture v Language of German erequisites hting of the study, | with exercises f instruction /examination ach | nievements |
| - Requirements accord Study/examination ac Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, ob - Object selection - Layering techni | ling to examination regu chievements/ examinat h paper without co es/desired learning be able to indeper technology. | tion types olloquium g outcomes: ndently create exter | If applicable, weig | German erequisites hting of the study, | /examination ach | |
| Study/examination ad Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | chievements/ examinat h paper without co es/desired learning be able to indeper technology. | tion types olloquium g outcomes: ndently create exter | If applicable, weig | erequisites hting of the study, | | |
| Study/examination ad Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | chievements/ examinat h paper without co es/desired learning be able to indeper technology. | tion types olloquium g outcomes: ndently create exter | If applicable, weig | hting of the study, | | |
| Student research - Module objective Students should understand CAD - Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | h paper without co es/desired learning be able to indeper technology. | olloquium g outcomes: ndently create exten | | | | |
| - Module objective Students should understand CAD | es/desired learning be able to indeper technology. | g outcomes: ndently create exter | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | be able to indeper | ndently create exte | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | be able to indeper | ndently create exte | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| understand CAD Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | technology. | | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| understand CAD Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | technology. | | | | | |
| Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
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| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| Coordinates, ob Object selection Layering techni | | | | | | |
| Object selection Layering techni | ng of AutoCad, basi | ic terminology | | | | |
| Object selection Layering techni | - | s, drawing comman | ds | | | |
| - Layering techni | | | | | | |
| | | | | | | |
| Text and anner | - | | | | | |
| - Standards | 151011116 | | | | | |
| 0101100100 | on and geometric c | donondoncios | | | | |
| | - | dependencies | | | | |
| - Model/paper a | | | | | | |
| | - | ree-dimensional sp | ace | | | |
| - View control, 3 | | | | | | |
| - Volume modeli | 0 | | | | | |
| - Change comma | ands in 3D | | | | | |
| - Lighting | | | | | | |
| - Animation and | presentation | | | | | |
| - Shade and rend | der techniques | | | | | |
| | | | | | | |
| Course attendan | ce time (in mandat | tory hours - LVS) | Workload (in l | nours) | | |
| DiplIng. E. Puls | | 4 LVS | Course attend | | ome study | |
| | <u>,</u> | - | Lecture | | ourse accompa | anving |
| | | | Exercise | | nd exam prepa | |
| | | | Other | 3011 011 | | |
| Total classroom | time | 4 LVS | Total workloa | d | | 180 h |
| Optional extra | | - 203 | | | | 100 11 |
| - providi enciù | | | | | | |
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| | | | | | | |
| Literature | | | | | | |
| is listed in Stud. | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | ł | | |
|---|--|----------------------|---|------------------|----------|---------------------|----------------------|-----------|--|--|
| Bachelor of Wo | ood Engineering | Wood type i | dentification | BH | 2-11 | | 01.02.201 | 19 | | |
| Study semester 2nd semester | Offered in SS | | | Credit p 3 CP | ooints | | Semester we 2 SWS | eek hours | | |
| Allocation to study | | Responsible for modu | le | | | group size, | if applicable | | | |
| Furniture and int | | N.N. | Lecture Language of instruction | | | | | | | |
| - | | | German | | | | | | | |
| Requirements acco | rding to examination reg | gulations | Recommended prer | equisites | | | | | | |
| Study/examination | achievements/ examina | ation types | If applicable, weight | ing of the st | udy/exam | nination ach | nievements | | | |
| Written examin | nation (K1) | | | | | | | | | |
| - | | | | | | | | | | |
| Module objectiv | ves/desired learnin | ig outcomes: | | | | | | | | |
| | l type identification l type identification | | | | | | | | | |
| Wood anatomy Structure of wo Types of cells Structure of a v Exercises in usi European types Tropical types o | ood vood cell ng a microscope s of wood | | | | | | | | | |
| | | | | | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | ours) | | | | | | |
| Dr. R. Buchholz | | 2 LVS | Course attendar | | Home | | | | | |
| | | - | ł – – – – – – – – – – – – – – – – – – – | 15 h 15 h | | accompa am prepa | | 60 h | | |
| | | - | Exercise Other | 15 h | anu ex | anı prepa | ווסנוטוו | 0011 | | |
| Total classroom | ı time | 2 LVS | Total workload | | | | | 90 h | | |
| Optional extra | | | I | | | | I | | | |
| Literature is listed in Stud | d.IP | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed | |
|--|---|--|--|---------------|-------------|--------------------------|---------------|---------------------------|--|
| Bachelor of Wo | ood Engineering | Building surv | vev. technica | al BH | 2-13 | | 01.02.2 | 019 | |
| Study semester 2nd semester | Offered in SS | - | wing | Credit | | 1 | 4 SWS | Semester week hours 4 SWS | |
| Allocation to study Furniture and inf | | Responsible for modu | e | | | group size, exercises | if applicable | 2 | |
| Can also be credited | | N.N. | | | ge of instr | | | | |
| - | | | | Germ | nan | | | | |
| Requirements acco | rding to examination regu | ulations | Recommended pres | requisites | | | | | |
| | achievements/ examinat ch paper with collog | | If applicable, weigh | ting of the s | tudy/exam | nination ach | nievements | | |
| Module objectiv | ves/desired learning | outcomes: | · | | | | | | |
| and represen - Ability to plar - Ability to wor - Ability to inde - Development - Ability to repr | anding in the record tation in floor plans, a building survey ar k in teams and work pendently make init of spatial perceptio resent in two and the nsitivity and creativi | sections and views nd the drawings requ in an organized man tial building surveys n ree dimensions (axo | uired in the proce nner in groups nometric and per | 255 | | based or | i the reco | ang | |
| Techniques us Tools of the tr Levels of prec Two- and thre Freehand draw | lding surveys cation in building su sed in building surve rade, equipment and ision of the construc ee-dimensional desig wing perspective ace between represe | ys I instruments, CAD ction survey In basics and represe | entation techniqu | ies | | | | | |
| Course attenda | nce time (in mandat | tory bours - LVS) | Workload (in ho | ourc) | | | | | |
| C. Prinzorn, Ve | | 2 LVS | Course attenda | | Home | studv | | | |
| Teaching assist | | 2 LVS | | 15 h | 1 | accompa | anying | | |
| | | - | ł – – – – – – – – – – – – – – – – – – – | 45 h | and ex | am prepa | aration | 120 h | |
| | | - | Other | | | | | | |
| Total classroom Optional extra | i time | 4 LVS | Total workload | | | | | 180 h | |
| Literature is listed in Stu | d.IP | | | | | | | | |

| Bachelor of Wood Engineering | Module name | | Course | Course code Internal | | | Last updated | |
|---|---------------------------|---|-------------------|----------------------|------------------|------------|--------------|--|
| saurelor of wood Engineering | Engineerir | ng computei | , BH | 2-14 | | 14.03.2019 | | |
| Study semester Offered in | - | ence | Credit p | oints | | | week hours | |
| 2nd semester SS Allocation to study specialization | Responsible for mod | | 3 CP | teaching. | group size, i | 2 SWS | 2 | |
| Structural wood engineering | Prof. DrIng. Vo | | Lectu | | 5.0 dp 5.20) . | | | |
| Can also be credited to study program | | | | ge of instru | uction | | | |
| - Requirements according to examination | regulations | Recommended p | Germ | an | | | | |
| tudy/examination achievements/ exam | ination types | If applicable, weig | thing of the st | udv/ovam | ination achi | iovomonto | | |
| Written examination (K1) | ination types | II applicable, weig | gnung of the si | .uuy/exam | induon achi | levements | | |
| - | | | | | | | | |
| Iodule objectives/desired learr | ning outcomes: | | | | | | | |
| Churchenster | | | | | | | | |
| Students | digital tools in their w | orking onvironm | ont | | | | | |
| are able to take advantage of are familiar with basic termine | - | - | | | | | | |
| know common construction-s | | - | rd engineer | ing tasks | | | | |
| know the structure of user inp | | | • | 0 | | | | |
| know that results of computer | r-aided calculations mu | ust be subjected | to critical so | crutiny. | | | | |
| can solve engineering tasks with the second sec second second sec | | heets they have | created the | mselves | - | | | |
| know the basics of a program. | | | | | | | | |
| • are able to read and debug pr | - | | | | | | | |
| are familiar with basic algorith understand the meaning and | | | mina | | | | | |
| understand the meaning and a | application of object-o | nented program | ming. | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| ontents: | | | | | | | | |
| Presentation of software solut | ions for standard engi | neering tasks | | | | | | |
| Criteria for the selection of suit | itable software solutio | ns | | | | | | |
| short presentation of FEM sof | | im and a CAS solu | ution | | | | | |
| Introduction to a spreadsheet | 1 0 | | | | | | | |
| | glanguage | | | | | | | |
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| Introduction to a programmin | idatory hours - LVS) | Workload (in | hours) | | | | | |
| • Introduction to a programmin | idatory hours - LVS) | Workload (in Course attend | | Homes | study | | | |
| • Introduction to a programmin | | | | | study accompa | Inying | | |
| • Introduction to a spreadsheet • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | | Course attend | ance time | Course | | | 60 h | |
| • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |
| Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart Total classroom time | | Course attend Lecture Exercise | ance time 30 h | Course | accompa | | 60 h 90 h | |
| Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart Total classroom time | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |
| • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |
| • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|---|--|--|--------------------------------------|---|--|
| Bachelor of Wood Engineering | ^g Production | technology | BH | 3-6 | | 01.09.2018 |
| Study semester Offered in 3rd semester WS | project, | business stration | | Credit points Semester 6 CP 4 SWS | | |
| Allocation to study specialization Furniture and interior finishing | Responsible for modul | е | | | | if applicable |
| Can also be credited to study program | N.N. | | - | ct work ge of insti | | |
| - | | | Germ | | | |
| Requirements according to examination | on regulations | Recommended pre BH2-6, BH2-8, | | irses ta | ken at the | same time |
| Study/examination achievements/ exa | mination types | If applicable, weigh | | | | |
| Project work with colloquium | | | _ | | | |
| - | | | | | | |
| Module objectives/desired lea | rning outcomes: | | | | | |
| Students learn about interdisc Students use existing knowled The project runs under a fixed | ge from the lectures and | combine it with | - | e they h | ave acqui | red on their own. |
| Contents: | | | | | | |
| In this project work, students widentify the interfaces and propractical manner for an audier A design is translated into word dimensioned and arranged in a on the basis of the production The costs of the enterprise will overhead costing. | duce a specification sheen nee of engineers. It plans and manufacturin an operating layout. An o and the operational envi | et. The results of ng is planned. The organigram for th ironment. | the projec e workstat e people e | t work a ions an mploye | are to be p d machine ed in the p | presented in a es are to be lant is to be drawn up |
| If possible, approaches for opt | imization are to be found | d on the basis of | the finding | gs. | | |
| | | | | | | |
| Course attendance time (in ma | andatory hours - LVS) | Workload (in h | ours) | | | |
| Teaching assistant | 6 LVS | Course attenda | nce time | Home | | |
| | - | Lecture | <u></u> | | e accompa | |
| | - | Exercise | 60 h | and ex | am prepa | ration 120 h |
| Total classroom time | - 6 LVS | Other Total workload | | | | 100 L |
| Optional extra | 6 LVS | | 1 | | | 180 h |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | |
|---|---|----------------------|----------------------------|-----------------|--------------|--------------------------|------------------------------|--|
| Bachelor of Wo | ood Engineering | Wood pr | oduction | Bł | 1 3-7 | | 01.09.2018 | |
| Study semester 3rd semester | Offered in WS | techn | ology | Credit 6 CP | | 1 | Semester week hours 4 SWS | |
| Allocation to study Furniture and in | | Responsible for modu | le | | | group size, exercises | if applicable | |
| Can also be credite | | | | Langua | age of instr | | | |
| - | ding to overside the | ulations | Decemmended | Gern | nan | | | |
| Requirements acco | rding to examination reg | ulations | Recommended p | rerequisites | | | | |
| Study/examination | achievements/ examinat | tion types | If applicable, wei | ghting of the s | study/exam | nination ach | ievements | |
| Written exami | nation (K2) | | | | | | | |
| - | | | | | | | | |
| Module objectiv | es/desired learning | g outcomes: | | | | | | |
| | | turing techniques or | | | unpres. | | | |
| Types of manua Types of organi Manufacturing Cutting techno Production plac Basic principles | zation techniques based o logy for wood nning and control of materials handli | n DIN 8580 for wood | | sed materia | ls | | | |
| Course others | noo time /in more l | tony bourse (1)(C) | Mar. 11 1/ | h | | | | |
| Teaching assist | nce time (in manda ant | 4 LVS | Workload (in Course attend | | Home | studv | | |
| 1 60 611115 0 3 3 3 6 | | - | Lecture | 50 h | 1 | accompa | anying | |
| | | - | Exercise | 10 h | - | am prepa | | |
| | | - | Other | <u> </u> | | | | |
| Total classroom | n time | 4 LVS | Total workloa | ad | | | 180 h | |
| Optional extra | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|---|--|--|----------------------|------------------|--------------------|---------------------|------------------------------|
| Bachelor of W | ood Engineering | Woodworking machines and machine elements | | | 1 3-8 | | 01.09.2018 |
| Study semester 3rd semester | Offered in WS | and machir | ne elements | Credit 6 CP | points | | Semester week hours 6 SWS |
| Allocation to study Furniture and in | | Responsible for modu Prof. DrIng. Fran | | Type or Lectu | - | g, group size, | if applicable |
| Can also be credite | d to study program | | | Langua Germ | ige of inst nan | ruction | |
| Requirements acco | rding to examination re | gulations | Recommended pre | erequisites | | | |
| Study/examination Written exami | achievements/ examina nation (K2) | ation types | If applicable, weigh | nting of the s | tudy/exa | mination ach | lievements |
| Module objecti | ves/desired learnin | ng outcomes: | | | | | |
| | | nt machines and crea | - | riteria for ' | the eva | luation an | d investment |
| Contents: | | | | | | | |
| - Machine elen | | lagios | | | | | |
| | l processing techno ents, rotary motion | - | | | | | |
| - Bearings and | | | | | | | |
| | cepts and designs | | | | | | |
| | nents (set-up, mate | erials) | | | | | |
| - Static and dyr | e analysis of machi | ne components | | | | | |
| - Vibration ana | | ne components | | | | | |
| | | rboxes and powertra | iins) | | | | |
| | electronic compon | | | | | | |
| | | cost and performance | | | | <i>с</i> | |
| - interlinked ar | id automated syste | ms such as machining | g centers, manuf | acturing c | elis, ma | nuracturir | ig systems |
| 0 | | | | | | | |
| Prof. Dr. F. Pre | ince time (in manda | | Workload (in h | | Lama | ctudy | |
| Teaching assist | - | 4 LVS 2 LVS | Course attenda | 90 h | | e study e accomp | anving |
| | | - | Exercise | 50 11 | | xam prepa | |
| | | - | Other | | - | | |
| Total classroon | n time | 6 LVS | Total workload | 1 | 1 | | 180 h |
| Optional extra Laboratory pra | actical training | | | | | | i |
| Literature | | | | | | | |
| is listed in Stu | d.IP | | | | | | |
| | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | |
|--|---|---|----------------------------|-------------------------|--|---------------------|------------------------|-------|--|
| Bachelor of W | ood Engineering | Measurement and control | | | 1 3-9 | | 01.09.2018 | | |
| Study semester 3rd semester | Offered in WS | techn | | Credit 6 CP | points | J | Semester week 4 SWS | hours | |
| Allocation to study Furniture and in Can also be credite | terior finishing | Responsible for modul Prof. DrIng. Fran | | Lectu Langua | Type of teaching, group size, if applicable Lecture Language of instruction German | | | | |
| Requirements acco | rding to examination reg | ulations | Recommended prei | requisites | | | | | |
| Study/examination Written exami | achievements/ examinat nation (K2) | tion types | If applicable, weigh | ting of the s | tudy/exam | nination ach | ievements | | |
| Module objecti | ves/desired learning | g outcomes: | | | | | | | |
| processes. The controls and P | y should be enabled Cs. They are to acqu | of sensor and actuat to realize simple con uire the necessary ex atrol their realization | ntrol systems the plan the | mselves one realization | on the ba | asis of ele | ctronic contac | ct | |
| Basic principl Elements ma Electronic co Electronic pri Programming Programming Sensor techn Basic principl Self-stable co | es of measurement king up electrical co ntact controls ocess controls SPS, r microprocessors g SPS ology es of regulation tecl | ntact controls nicroprocessors and nnology: Characterist | PCs | op elemen | ıts | | | | |
| Course attenda | nce time (in manda | tory hours - LVS) | Workload (in ho | ours) | | | | | |
| Prof. Dr. F. Pre | kwinkel | 4 LVS | Course attenda | | Home | - | | | |
| | | - | Lecture Exercise | 60 h | | accompa am prepa | | 20 h | |
| | | - | Other | | | | | | |
| Total classroon Optional extra | n time | 4 LVS | Total workload | | · | | 18 | 80 h | |
| | | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | | |

| Allocation to cours | e of study | Module name | | Course o | code | Internal | Last updated |
|---|---------------------------|----------------------|------------------------------|------------------|------------------------------|--------------|------------------------------|
| Bachelor of W | ood Engineering | | Furniture | BH | 3-10 | | 19.03.2019 |
| Study semester 3rd semester | Offered in WS | | i unitur c | Credit p 6 CP | oints | | Semester week hours 4 SWS |
| Allocation to study | | Responsible for modu | | | | | if applicable |
| Furniture and in Can also be credite | | Prof. DrIng. Frar | ik Prekwinkel | | e with ge of instr | exercises | |
| - | | | | Germa | | action | |
| Requirements acco | rding to examination re | gulations | Recommended p BH 2-10 CAD | | | | |
| Study/examination | achievements/ examination | ation types | If applicable, wei | ghting of the st | udy/exam | nination ach | ievements |
| Student resear | ch paper without c | colloquium | | | | | |
| Module objecti | ves/desired learnir | ng outcomes: | | | | | |
| - Coordinates, | ling of Cimatron, ba | ds, drawing command | ls | | | | |
| - Text and dime | | | | | | | |
| - Standards | | | | | | | |
| - | data collected else | | | | | | |
| - Overview of c | other CAD application | ons | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in | hours) | | | |
| DiplIng. E. Pu | ls, M.A. | 2 LVS | Course attend | | Home | study | |
| Teaching assist | ant | 2 LVS | Lecture | 30 h | | accompa | |
| | | - | Exercise | 30 h | and ex | am prepa | aration 120 h |
| | | - | Other | <u> </u> | | | |
| Total classroon | n time | 4 LVS | Total workloa | ad | | | 180 h |
| Optional extra | | | | | | | |
| Literature | | | | | | | |
| is listed in Stu | d.IP | | | | | | |
| | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | | |
|---|---|--------------------------------------|--------------------------------------|-----------------------------------|---|--------------------|--|--|--|--|
| Bachelor of Wood Engineering | Durance | ing and | BF | 4-2 | | 01.09.2018 | | | | |
| Study semester Offered in 4th semester SS Allocation to study specialization All | Drywall finishing co Responsible for modu N.N. | Credit p 6 CP Type of Lectu | ooints teaching re/exer | cise | Semester week hours 4 SWS if applicable | | | | | |
| Can also be credited to study program | | | | Language of instruction German | | | | | | |
| Requirements according to examination regu | lations | Recommended pr | mmended prerequisites | | | | | | | |
| Study/examination achievements/ examinat Student research paper with collog - | | If applicable, weig | shting of the s | tudy/exar | mination ach | ievements | | | | |
| Module objectives/desired learning | outcomes: | | | | | | | | | |
| Knowledge of materials, types of e Knowledge of soundproofing and Ability to develop an execution an design interrelationships and depere Ability to independently prepare e | fire safety for interion d detailed design pl ndencies. | or finishing lan taking into a | | | | | | | | |
| Contents: - Materials in drywall and finishing - Wall, ceiling and floor design - Designs with special requirements - Development of a finishing plan as | | ail planning with | nin the scop | e of a p | ractical p | ⁻ oject | | | | |
| Course attendance time (in mandat | corv bours - LVS) | Workload (in) | hours) | | | | | | | |
| Prof. Dr. A. Breukelman | 4 LVS | Workload (in I Course attend | | Home | study | | | | | |
| | - | Lecture | 30 h | | e accompa | anying | | | | |
| | - | Exercise | 30 h | | kam prepa | | | | | |
| | - | Other | | | | | | | | |
| Total classroom time | 4 LVS | Total workloa | d | | | 180 h | | | | |
| Optional extra | | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last update | d |
|--|--|---|--|-------------------------|----------------------|------------------------------|----------------------------|------------|
| Bachelor of Wo | ood Engineering | Proiect C-t | echnology | BH | I 4-6 | | 01.02.2019 | |
| Study semester 4th semester | Offered in SS | , | | Credit 6 CP | points | 1 | Semester w 4 SWS | veek hours |
| Allocation to study Furniture and in | | Responsible for modul | | | | , group size, tical lab t | if applicable | |
| Can also be credite | - | Prof. DrIng. Fran | ik prekwinkei | | ge of instr | | annig | |
| - | | | D 1 1 | Germ | ian | | | |
| Requirements acco | rding to examination reg | gulations | Recommended pr Successful cor | | f BH 3-8, | , BH 3-9 | | |
| Study/examination Project work w | achievements/ examina ith colloquium | tion types | If applicable, weig | hting of the s | tudy/exan | nination ach | iievements | |
| Module objectiv | ves/desired learnin | g outcomes: | <u> </u> | | | | | |
| examples and o They are enabl they develop th discussions in F | design, create, test ed to develop their neir own team, cont inglish. | ice in using CNC syste and document CNC p own learning strateg flict, facilitation and l tion, professional ope | rograms. ies and conduct eadership skills. | independe They are a | ent rese Iso able | arch. Witl to condu | hin the pro let project | |
| Commissionir Creating CNC Testing and q Documentation Optimization Optimization Material-spect Start-up and s | uality assurance in (| CNC programming es ies ents | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in l | hours) | | | | |
| Prof. Dr. F. Pre | - | 4 LVS | Course attend | | Home | | | |
| DiplIng. N. Lir | | 2 LVS | Lecture | 20 h | | e accompa am prepa | | 120 h |
| Teaching assist | diit | 2 LVS | Exercise Other | 40 h | anuex | ani prepa | πατιστι | 12011 |
| Total classroom | ı time | 8 LVS | Total workloa | d d | | | | 180 h |
| Optional extra | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed |
|--|--|---|---------------------------------------|----------------|----------------------------|---------------------|---------------|------------|
| Bachelor of Wo | ood Engineering | C-toch | C-technology | | I 4-8 | | 01.09.2018 | |
| Study semester 4th semester | Offered in SS | | noiogy | Credit p | ooints | | Semester | week hours |
| Allocation to study | specialization | Responsible for modu | е | | teaching, | group size, | if applicable | |
| Furniture and int | - | Prof. DrIng. Frar | nk Prekwinkel | Lectu | | | | |
| Can also be credited | d to study program | | | Germ | ge of instr I an | uction | | |
| Requirements accor | rding to examination reg | ulations | Recommended pre | | | | | |
| | | | Successful con | npletion of | f BH 3-8, | BH 3-9 | | |
| Study/examination Written examin | achievements/ examinat nation (K2) | ion types | If applicable, weigh | hting of the s | tudy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learning | goutcomes: | | | | | | |
| they are able to structure of CA | o independently created by the pendently created by D/CAM systems and the pendently created by the pendently cre | and operation of CI ate CNC programs and implement them in regard to their suita | nd install them w practice. They a | vithout err | ors. The | y are also | able to a | nalyze the |
| Contents: | | | | | | | | |
| CNC programmed Methods of contract or contract of Contract or co | omputer-aided work AD/CAM faces CAD/CAM systems ntrol technology | scheduling assurance in autom | nated manufactu | ıring | | | | |
| | nce time (in manda | | Workload (in h | | | | | |
| Prof. Dr. F. Prel | | 4 LVS | Course attenda | | Home | | | |
| Teaching assist | ant | 2 LVS | Lecture | 90 h | | accompa am prepa | | 90 h |
| <u> </u> | | - | Exercise | | anu ex | ani prepa | αιατίθη | 3011 |
| Total classroom | time | - 6 LVS | Other Total workload | 4 | | | | 180 h |
| Optional extra | | 0 LVS | | u . | | | | 100 11 |
| Laboratory pra | ctical training | | | | | | | |
| Literature is listed in Stud | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last upda | ted |
|---|---|---|---------------------|--------------------|-------------------|---------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | Productio | , BH | I 4-9 | | 01.09.2 | 018 | |
| Study semester 4th semester | Offered in SS | | | Credit | points | | Semester 6 SWS | week hours |
| Allocation to study | specialization | Responsible for modu | le | | fteaching | , group size, | | e |
| Furniture and in | | Prof. DrIng. Fran | nk Prekwinkel | Lectu | | | | |
| Can also be credite | d to study program | | | Germ | ge of inst Nan | ruction | | |
| Requirements acco | rding to examination regu | lations | Recommended pr | | | | | |
| Study (avamination | a chiavamanta (avaminat | ion turoc | If applicable weig | the state of the s | tudu/ava | mination ack | iouomonto | |
| Written examin | achievements/ examinatination (K2) | ion types | If applicable, weig | gnung of the s | tuuy/exar | | lievements | |
| - | | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| | hermore, they are a with regard to their | | - | | | | | |
| Strategic, tact Production pl Legal and org Structural and | uction planning and ical and operational anning and control s anizational framewo I process organizatic on, workshop produ | production plannin ystem concepts rk m | - | | | | | |
| | nd transport plannin | g | | | | | | |
| - Profitability c | | 0 | | | | | | |
| | r the evaluation of p | roduction units | | | | | | |
| - Investment an | | anagomont | | | | | | |
| | nd environmental magement and controlling | | | | | | | |
| - | ng with the lectures | - | er of field trips t | o leading n | nanufac | turers of f | urniture, | components |
| and supplier pa | - | | | | | | | · |
| | | | | | | | | |
| | nce time (in mandat | | Workload (in | | | ctudu. | | |
| Prof. Dr. F. Pre | - | 4 LVS 2 LVS | Course attend | ance time 90 h | Home | e accompa | anving | |
| Teaching assist | ant | - | Exercise | 3011 | | kam prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroon | n time | 6 LVS | Total workloa | d | 1 | | | 180 h |
| Optional extra | | | 1 | | | | | |
| Field trips | | | | | | | | |
| - | | | | | | | | |
| Literature | 110 | | | | | | | |
| is listed in Stu | a.IP | | | | | | | |
| | | | | | | | | |

| Allocation to course | e of study | Module name | | Course coo | de I | nternal | Last updated | | |
|--|---|---|-------------------------|-------------------------|-----------------------|------------|------------------------------|--|--|
| Bachelor of Wo | ood Engineering | Business adm | BH 4 | -10 | | 01.02.2019 | | | |
| Study semester 4th semester | Offered in SS | industrial (| | Credit poir 6 CP | nts | | Semester week hours 4 SWS | | |
| Allocation to study Furniture and int | | Responsible for modul | e | Type of tea | | oup size, | if applicable | | |
| Can also be credited | d to study program | _ | | Language of instruction | | | | | |
| - Requirements acco | rding to examination reg | ulations | Recommended prerec | German quisites | 1 | | | | |
| | | | | 6.1 I | . / . | | | | |
| Study/examination Written examin | achievements/ examinat | ion types | If applicable, weightin | g of the stud | ly/examina | ation ach | levements | | |
| - | | | | | | | | | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | | |
| _ | formance accountin | - | | | | | | | |
| - | | ternal accounting to | data from the cost | t-performa | ance ana | alysis | | | |
| | | unit accounting on | the basis of differe | nt, operati | ional acc | countin | g sheets within | | |
| | k of full cost accoun | 0 | | | | | | | |
| | | on a full cost basis in s forms of full and pa | | | | | • | | |
| making | | | | | | or acci. | | | |
| - | decisions: Students | | | | | | | | |
| | | rinciples of decision | | | | | | | |
| | - | ess of investments wi | th the help of seled | cted suitab | ole proce | edures | of static and/or | | |
| - | stment calculation lect and apply invest | tment appraisal met | hods that also take | into accou | unt non- | -monet | arv benefits and | | |
| inputs | | | | | | | , | | |
| Contents: | | | | | | | | | |
| on cost and per | formance accountir | ng: | | | | | | | |
| Accruals and | | | | | | | | | |
| | | r determination of in | | | | | | | |
| | - | object accounting in different forms of p | | | | | | | |
| | of machine hourly | - | | 118 | | | | | |
| - | | ble standard costing | | | | | | | |
| | | | | | | | | | |
| on investment | | nistration decision-m | aking theory | | | | | | |
| | | thods of investment | | | | | | | |
| | | nvestment appraisal | • • | | | | | | |
| Decisions bas | ed on security, risk, | uncertainty | | | | | | | |
| | | | Γ | | | | | | |
| | nce time (in manda | | Workload (in hou | - | | | | | |
| Teaching assist | ant | 4 LVS | Course attendanc | | lome stu Course ad | | anving | | |
| <u> </u> | | - | | | nd exam | - | | | |
| | | - | Other | | | 1 -1 | | | |
| Total classroom | time | 4 LVS | Total workload | I | | | 180 h | | |
| Optional extra | | | | | | | | | |
| | | | | | | | | | |
| Literature | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Allocation to course Bachelor of Wo | e of study ood Engineering | Module name | urnituro | Course | code 5-6 | Internal | Last update 01.09.20 | |
|---|---|--|----------------------------------|----------------------------|----------------------------|--------------|--------------------------|-----------------------|
| Study semester 5th semester | Offered in WS | | Project Furniture | | ooints | | Semester w 6 SWS | veek hours |
| Allocation to study | specialization | Responsible for modul | е | | | | if applicable | |
| Furniture and int | - | Prof. DrIng. Fran | nk Prekwinkel | | | workshop | S | |
| Can also be credited | a to study program | | | Germ | ge of insti I an | luction | | |
| Requirements acco | rding to examination reg | gulations | Recommended p BH 4-8, BH 4- | | | | | |
| Study/examination Project work w | achievements/ examina rith colloquium | ation types | If applicable, wei | ghting of the s | tudy/exar | nination ach | lievements | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | |
| costing for a pr In the same wa | roduct line in a com ay, they develop ar | g, design and manufa pleted project. The c nd present appropria d sales measures as w | course focuses te measures in | not only on the area of | aspects compa | of design | and const zation, pro | truction. oduction |
| Design impler Corporate pla Cost and sales Sales and mar Planning of sa | nning or corporate | res | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in | hours) | | | | |
| Prof. Dr. F. Pre | | 6 LVS | Course attend | | Home | study | | |
| | | - | Lecture | 60 h | | e accompa | anying | |
| | | - | Exercise | 30 h | and ex | kam prepa | aration | 90 h |
| | | - | Other | | | | | |
| Total classroom | n time | 6 LVS | Total workloa | ad | | | | 180 h |
| Optional extra Field trips | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course code | Internal | Last updated | |
|---|---------------------------|--------------------------|--|-------------------|---------------|-------------------------|--|
| Bachelor of Wo | ood Engineering | Practical training phase | | BH 6-1 | | 01.06.2021 | |
| Study semester | Offered in WS | 01 | | Credit points | | Semester week hours | |
| 6th semester | + SS | | | 30 CP | 30 CP n/a | | |
| Allocation to study | specialization | Responsible for modul | Type of teaching, | group size, | if applicable | | |
| All | | Prof. Dr. Ing. Mar | io Hanusrichter | Pre- and post | -seminar | , practical phase | |
| Can also be credite | d to study program | | | Language of instr | uction | | |
| - | | | | German | | | |
| Requirements acco | rding to examination regu | llations | Recommended prereq | luisites | | | |
| all CP from 1st | + 2nd semester; add | litional 45 CP from | | | | | |
| semester 3 to ! | 5 | | | | | | |
| Study/examination | achievements/ examination | ion types | If applicable, weighting of the study/examination achievements | | | | |
| Seminar paper | | | 15 weeks practical training (translates as 24 CP, pass/fail | | | | |
| Student research paper without colloquium | | | | | | er (translates as 6 CP) | |
| | | | | | | | |

Module objectives/desired learning outcomes:

- Application of previously acquired knowledge and skills in everyday professional practice, engineering work
- Gain competencies in an area that the student has designated for future employment
- Working in the training center is designed to give students some orientation for finding a topic for their Bachelor's thesis
- Stimulation to link non-specialist content with the student's own training to date
- Development of independent decision-making ability
- Presentation of the professional and social competence acquired during the course of study.

Contents:

Practical phase supervised by the wood engineering program of the Faculty of Architecture, Engineering and Conservation in a company, e.g. in the wood construction or furniture industry, in an engineering office, or comparable The company/institution must ensure that engineering supervision is possible during the practical phase, i.e. at least 1 engineer must provide supervision in the company (training facility). The regulations for the practical phase according to the Praxisphasenordnung (PraxisO) must be observed.

| Course attendance time (in mandatory hours | Workload (in hours) | | | | | |
|--|---------------------|-----------------------------------|------|----------------------|-------|--|
| Entire teaching staff, per student | 0.1 LVS | Course attendance time Home study | | Home study | | |
| | - | | | Course accompanying | | |
| | - | Exercise | | and exam preparation | 740 h | |
| | - | Other | 10 h | | | |
| Total classroom time | 0.1 LVS | Total workloa | | 750 h | | |
| Optional extra | | | | | | |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last upda | ted |
|--|---|--|-----------------------|----------------|-------------------|---------------------|-------------------|--------------------|
| | ood Engineering | Individual p | rofile studies | | 17-1 | | 01.09.2 | |
| Study semester 7th semester | Offered in WS + SS | | | Credit 6 CP | points | | Semester 4 SWS | week hours |
| Allocation to study All | specialization | Responsible for modu HAWK plus | le | Cour from | se-depe HAWK J | plus | | e o information |
| Can also be credite | d to study program | | | Langua Germ | ge of insti | ruction | | |
| Requirements acco | rding to examination reg | ulations | Recommended prer | | ian | | | |
| Study/examination | achievements/ examinat | tion types | If applicable, weight | ing of the s | tudv/exar | nination ach | nievements | |
| Course-depend | | | | 0 | | | | |
| - | | | | | | | | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | |
| Social and soMedia skills | on and individual sk cietal skills ary specialized know | | | | | | | |
| | | the current range of hule/organisation-ur | | rale-einri | chtunge | n/hawk-p | olus/indiv | iduelles-prof |
| | | | | | | | | |
| | | | 1 - | | | | | |
| | nce time (in manda | | Workload (in ho | | | | | |
| Up to | | 4 LVS | Course attendar | nce time | Home | study e accompa | anving | |
| | | | Exercise | | | accompa am prepa | | 120 h |
| | | - | 1 1 | 60 h | | 1 | | |
| Total classroom | n time | 4 LVS | Total workload | | I | | | 180 h |
| Optional extra | | | 1 | | | | | 1 - |
| | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |
| | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|---|--|---|--|----------------|--------------------------|---------------------|---|
| Bachelor of Wo | ood Engineering | Module for p | reparation o | of BH | 17-2 | | 01.09.2018 |
| Study semester 7th semester | Offered in WS + SS | - | al thesis | Credit 6 CP | points | | Semester week hours n/a |
| Allocation to study All | specialization | Responsible for modul | le | | f teaching, rvised ex | | if applicable |
| Can also be credite | d to study program | IV.IV. | | | ge of instr | | |
| Requirements acco | rding to examination reg | gulations | Recommended pres | requisites | | | |
| - | achievements/ examina | | If applicable, weigh | ting of the s | tudy/exan | nination ach | ievements |
| Student resear | ch paper without co | olloquium | | | | | |
| Module objectiv | ves/desired learnin | g outcomes: | 1 | | | | |
| Gain knowled Ability to grade Development | dge and skills in a fie sp and present the s t of independent de | ication of the method eld that the student h state of the art in a g ecision-making ability se in a given subject | nas designated fo iven subject area | r his/her I | - | 's thesis | |
| Prepare and te | st experimental set | literature searches co ups, test procedures ods used in academic | or similar | | | - | als and other series early as 2nd semester |
| | | | | | | | |
| | nce time (in manda | atory hours - LVS) | Workload (in he | | | | |
| All professors, | per student | 0.2 LVS | Course attenda | nce time | Home | | |
| | | - | Lecture Exercise | | - | accompa am prepa | |
| | | - | Other | 3 h | | | |
| Total classroom | n time | 0.2 LVS | Total workload | | | | 180 h |
| Optional extra | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | |

| Allocation to course of | of study | Module name | | Course | code | Internal | Last update | ed | | |
|--|--|---|--|-----------------------------------|-----------|-------------|-------------------|------------|--|--|
| Bachelor of Woo | od Engineering | Bachelo | or's thesis | BH | 7-4 | | 01.09.20 | 18 | | |
| Study semester 7th semester | Offered in WS + SS | Buchen | | Credit p 12 CP | | 1 | Semester v n/a | veek hours | | |
| Allocation to study sp All | pecialization | Responsible for modul | е | Type of n/a | teaching, | group size, | if applicable | | | |
| Can also be credited | to study program | | | Language of instruction German | | | | | | |
| Requirements accord 174 CP from sen | ing to examination regu nesters 1 bis 6 | llations | Recommended pre | erequisites | | | | | | |
| Study/examination ad | chievements/ examinati | on types | If applicable, weigh | nting of the st | udy/exam | ination ach | ievements | | | |
| Final thesis with | colloquium | | | | | | | | | |
| Module objective | es/desired learning | outcomes: | | | | | | | | |
| Develop and d Presentation o | emonstrate indepe f the acquired met | tate of the art in a gi ndent decision-mak hodological compete quired in a given sub | ing skills ence | | | | | | | |
| Carrying out pra own conclusions and/or Performing tech | ctical investigations | re research with clas s, test procedures or ith factual/technica ect area in the field | ⁻ similar with eva l appropriate pre | luation, di | scussion | | student's | | | |
| Course office days | | | | | | | | | | |
| First examiner | ce time (in mandat | 0.3 LVS | Workload (in h Course attenda | - | Homes | studv | | | | |
| Second examine | r | 0.1 LVS | Lecture | | | accompa | anying | | | |
| | | - | Exercise Other | 6 | | am prepa | | 354 h | | |
| Total classroom | time | 0.4 LVS | Total workload | - | | | | 360 h | | |
| Optional extra | | 1 | 1 | | | | | 1 | | |
| Literature is listed in Stud | IP | | | | | | | | | |

| | | | - | | | | | | |
|---|--|---|--|--|-----------------------------|----------------------------|----------------------|--|--|
| Allocation to course of study | Module name | | Course | | Internal | Last update | | | |
| Bachelor of Wood Engineering | Practical trai | ining projec ⁱ | ι | V 98 | | 01.09.20 | | | |
| Study semesterOffered in WS7th semester+ SS | | | Credit p 6 CP | | | n/a | week hours | | |
| Allocation to study specialization All | Responsible for modul | е | | Type of teaching, group size, if applicable Supervised external project | | | | | |
| Can also be credited to study program | IN.IN. | | - | Language of instruction | | | | | |
| - | | T | Germ | an | | | | | |
| Requirements according to examination | n regulations | Recommended pre | requisites | | | | | | |
| Study/examination achievements/ exam Project work with colloquium - | nination types | If applicable, weigh | ting of the st | udy/exan | nination ach | lievements | | | |
| Module objectives/desired learn | ning outcomes: | | | | | | | | |
| Practical training projects can b Depending on the task, a subject cooperation with an engineering defined in terms of content and out solutions largely independed They are able to assess the effer make technical and economic a | ct-specific or interdiscipl og firm, a company, a spe d scope, carry out experi ently. ects and consequences o | linary project wit ecialist authority, imental (laborato of the solutions tl | h high pra etc. Stude ry/field) ir | ctical re ents dea nvestiga | al with a t itions if ne | ask that is ecessary, a | narrowly and work | | |
| Practical projects with different The assignment is coordinated task of the Bachelor's thesis and | with the students, the p | roject partners a | nd the sup | ervisor | s for the i | | | | |
| | | | , | | | | | | |
| Course attendance time (in mar | | Workload (in he | - | Home | ctudy | | | | |
| entire teaching staff, per stude | nt 0.2 LVS | Course attenda Lecture | nce time | Home | study e accompa | anving | | | |
| | - | | 3 h | | am prepa | | 177 h | | |
| | | Other | | | | | | | |
| Total classroom time | 0.2 LVS | Total workload | | | | | 180 h | | |
| Optional extra | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | |



Part 3

Specialization modules (majors) Wood engineering

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed | |
|---|---|--|--|--|--|--|---|------------|--|
| Bachelor of Wo | nelor of Wood Engineering Mudbrid | | k huilding | BH | V 81 | | 03.12.2 | 03.12.2018 | |
| Study semester 5th semester | Offered in WS | | _ | Credit p 6 CP | oints | | Semester 4 SWS | week hours | |
| Allocation to study | specialization | Responsible for modu Prof. DrIng. Geo | | Type of Semir | | group size, | if applicable | , , | |
| Can also be credited | d to study program | | Language of instruction German | | | | | | |
| Requirements acco | rding to examination re | gulations | Recommended p | orerequisites | | | | | |
| - | achievements/ examina ch paper with collo | | If applicable, wei | ghting of the st | udy/exan | nination ach | nievements | | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | | |
| as a building r - are familiar w - deal with its n state of the ar - know about th of production semi-finished - gain valuable | naterial of the futu ith the design option naterial properties t of rehabilitation to ne connection to the processes in the m mud products and, experience for qua | ng material of the pas re ons that mudbrick off as well as with traditi techniques within the le Lehm e.V. network anufacture of mudbr last but not least, th lity assurance during endering and constru- | ers as a buildin ional and mode framework of , which HAWK ick building pro e state of the a their own prac | g material. In construct the basic the was involved oducts, the c rt in researc tical exercise | tion met eoretica I in four raftsma h. | thods and I principle nding in 2 nship inve | l the es. 008, the p olved in th | roblems | |
| The building r Building meth construction v Design option Building impro | age and world cultunaterial and its cha ods such as adobe with compartments | racteristics construction, Weller s filled with clay/mud or today and for tom gies | etc. | ammed eart | h consti | ruction, h | alf-timber | red | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in | hours) | | | | | |
| Prof. Dr. G. Ma | | 4 LVS | Course attend | - | Home | study | | | |
| | | - | Lecture | 60 h | | e accompa | | | |
| | | - | Exercise Other | 30 h | and ex | am prepa | aration | 90 h | |
| Total classroom | n time | 4 LVS | Total workloa | ad | | | | 180 h | |
| Optional extra Practical exerc | ises in the lab with | a focus on quality ass | surance | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | | |

| Bachelor of W | e of study | Module name | | Course | code | Internal | Last updated |
|---|---|--|---|--|--|--|---|
| | ood Engineering | Safety a | nd health | BH | V-82 | | 20.03.2020 |
| Study semester 6th semester | Offered in SS | - | ection | Credit | points | 1 | Semester week hours 4 SWS |
| Allocation to study | specialization | Responsible for modu | | | | | if applicable |
| - Can also he credite | d to study program | Prof. Dr. M. Hanu | usrichter | | ge of instru | | |
| | u to study program | | | Germ | | action | |
| Requirements acco | rding to examination re | gulations | Recommended p | orerequisites | | | |
| | achievements/ examination | ation types | If applicable, we | ghting of the s | tudy/exam | ination ach | ievements |
| Written exami - | nation (K2) | | | | | | |
| /lodule objecti | ves/desired learnir | g outcomes: | | | | | |
| Acquisition o Acquisition o RAB 30 Annet Basic knowled Safety and heat | f basic knowledge in "occupational safe & B dge on how to prep | ng construction work n health protection a ety knowledge" in acc are an operational ris ng construction work sessment | nd occupationa cordance with t sk assessment | - | tion Site | Ordinan | ce in conjunction wi |
| | | | | | | | |
| Occupational h and assessmer | t of hazards on cor | owledge includes gen struction sites and d this and the organiza | uring subseque | nt work on t | the build | ing struc | tures, as well as the |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and | t of hazards on cor sures required for mong other things ealth and safety leasures (measures for e use of ladders, m ards due to hazard I renovation work, | struction sites and d this and the organiza | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmen | nt work on ional health cident and h work, haza hazards du during asse | the build and safe nealth ha rds due f e to elect embly wo | ing struc ety on co zards and to falling, tricity, op ork, meas | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, saf protection, has demolition and toilets and oth | t of hazards on con sures required for mong other things ealth and safety leg sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and lif ous substances, mea safe use of machiner | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent | nt work on t ional health cident and h work, haza hazards due during asse nt), first aid | the build and safe rds due f e to elect embly wo facilities, | ing struc ety on co zards and to falling, tricity, op ork, meas day shel | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, |
| Occupational h and assessmer protective mea of focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, | t of hazards on con sures required for mong other things lealth and safety lea sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person students are gradue | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent e preparation of Workload (in | nt work on fional health cident and h g work, haza hazards du during asse nt), first aid a risk asses hours) | the build and safe rds due f e to elect embly wo facilities, | ing struc ety on co zards and to falling, tricity, op ork, meas day shel | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, |
| Occupational h and assessmer protective mea of focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, | t of hazards on cor isures required for mong other things lealth and safety lea isures (measures for e use of ladders, meands due to hazard I renovation work, er facilities, person students are gradua | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent e preparation of Workload (in Course attent | nt work on fional health cident and h g work, haza hazards due during asse nt), first aid a risk asses hours) dance time | the build and safe nealth ha rds due f e to elect embly wo facilities, sment fo | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |
| Occupational h and assessmer protective mea t focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, | t of hazards on con sures required for mong other things lealth and safety lea sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person students are gradue | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipment ent e preparation of Workload (in Course attent | nt work on t ional health cident and h work, haza hazards due during asse nt), first aid a risk asses hours) dance time 50 h | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, sat protection, ha demolition and toilets and oth Based on this, | t of hazards on con sures required for mong other things lealth and safety lea sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person students are gradue | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent ent e preparation of Workload (in Course attend Lecture Exercise | nt work on fional health cident and h g work, haza hazards due during asse nt), first aid a risk asses hours) dance time | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, Course attenda Teaching assis | t of hazards on con isures required for mong other things lealth and safety lea isures (measures for e use of ladders, measures due to hazard l renovation work, ser facilities, person students are graduated ince time (in mandated) | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machiner al protective equipme ally introduced to the atory hours - LVS) tke 4 LVS - - - - | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent e preparation of Workload (in Course attend Lecture Exercise Other | nt work on t ional health cident and h s work, haza hazards due during asse nt), first aid a risk asses hours) dance time 50 h 10 h | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | anying anying anying tures, as well as the safe use of berational fire ures for safety durin ters, washrooms, truction company. |
| and assessmer protective mea Occupational h protective mea scaffolding, sal protection, had demolition and toilets and oth Based on this, | t of hazards on con isures required for mong other things lealth and safety lea isures (measures for e use of ladders, measures due to hazard l renovation work, ser facilities, person students are graduated ince time (in mandated) | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent ent e preparation of Workload (in Course attend Lecture Exercise | nt work on t ional health cident and h s work, haza hazards due during asse nt), first aid a risk asses hours) dance time 50 h 10 h | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |

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|---|--|---|---|---|-----------------------------|----------------------------|----------------------|--|--|
| Allocation to course of study | Module name | | Course | | Internal | Last update | | | |
| Bachelor of Wood Engineering | Practical trai | ining projec | ι | V 98 | | 01.09.20 | | | |
| Study semesterOffered in WS7th semester+ SS | | | Credit p 6 CP | | | n/a | week hours | | |
| Allocation to study specialization All | Responsible for modul | е | | - | | if applicable | | | |
| Can also be credited to study program | IN.IN. | | | Supervised external project Language of instruction | | | | | |
| - | | T | Germ | an | | | | | |
| Requirements according to examination r | regulations | Recommended pre | requisites | | | | | | |
| Study/examination achievements/ exami Project work with colloquium - | nation types | If applicable, weigh | ting of the st | udy/exan | nination ach | lievements | | | |
| Module objectives/desired learn | ing outcomes: | | | | | | | | |
| Practical training projects can be Depending on the task, a subject cooperation with an engineering defined in terms of content and out solutions largely independer They are able to assess the effec make technical and economic as | t-specific or interdiscipl g firm, a company, a spo scope, carry out experi ntly. cts and consequences o | linary project wit ecialist authority imental (laborato of the solutions t | h high pra , etc. Studo pry/field) in | ctical re ents dea nvestiga | al with a t itions if ne | ask that is ecessary, a | narrowly and work | | |
| Practical projects with different to The assignment is coordinated w task of the Bachelor's thesis and | vith the students, the p | roject partners a | nd the sup | ervisor | s for the i | | | | |
| • · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| Course attendance time (in man | | Workload (in h | | 11.0.000 | | | | | |
| Entire teaching staff, per studen | t 0.2 LVS | Course attenda Lecture | nce time | Home | study e accompa | anving | | | |
| | - | Exercise | 3 h | | accompa am prepa | | 177 h | | |
| | - | Other | | | 1 -1- | | | | |
| Total classroom time | 0.2 LVS | Total workload | | | | | 180 h | | |
| Optional extra | | 1 | | | | | 1 | | |
| Literature is listed in Stud.IP | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last update | ed |
|-----------------------------------|--|---|--------------------------------------|----------------------------------|------------------------|--------------|-------------------|--------------|
| Bachelor of W | ood Engineering | Special | project | BH | V 99 | | 01.09.20 | 18 |
| Study semester 7th semester | Offered in WS + SS | _ Special | project | Credit | points | | Semester v n/a | veek hours |
| Allocation to study | | Responsible for modu | e | | f teaching, | group size, | if applicable | |
| All | | N.N. | | - | | | eld exercis | es |
| Can also be credite | d to study program | | | Germ | ge of instr Nan | uction | | |
| Requirements acco | rding to examination reg | ulations | Recommended | | | | | |
| | achievements/ examina vith colloquium | tion types | If applicable, we | ighting of the s | tudy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | |
| Depending on cooperation w | the task, a subject-s ith an engineering fi | arried out in all the s pecific or interdiscip rm, a company, a sp ed to assess follow-u | linary project v ecialist authori | with high pra ity, etc., in w | actical re hich the | student, | largely inc | dependently, |
| Contents: | | | | | | | | |
| | | n the fields of wood hosen by the studen | | r interdiscipl | inary Th | e assignm | nent will ta | ke into |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Course attenda | ince time (in manda | tory hours - LVS) | Workload (in | hours) | | | | |
| All professors, | | 0.2 LVS | Course atten | | Home | study | | |
| | | - | Lecture | | Course | accompa | | |
| | | - | Exercise | 3 h | and ex | am prepa | aration | 177 h |
| T . 4 . 1 . 1 | | - | Other | | | | | 4001 |
| Total classroon Optional extra | n time | 0.2 LVS | Total worklo | aɑ | | | | 180 h |
| optional extra | | | | | | | | |
| Literature | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | | | |
|---|---|-----------------------|---|------------------|-------------|-------------|------------------------------|---|--|--|--|
| Bachelor of Wo | ood Engineering | CAD/CAM a | nd ioinerv in | BH | V 10 | | 14.03.2019 | | | | |
| Study semester 5th semester | Offered in WS | wood cor | • | Credit p 6 CP | oints | | Semester week hours 4 SWS | | | | |
| Allocation to study | | Responsible for modul | | Type of | teaching, | group size, | if applicable | | | | |
| Structural wood Can also be credited | | Prof. DrIng. Volk | ker Krämer | Languag | ge of instr | uction | | | | | |
| - | | | | Germ | | action | | | | | |
| Requirements acco | rding to examination regu | llations | Recommended prerequisites BH 3-2 ; BH 3-5 and BH 4-5 | | | | | | | | |
| Study/ovamination | achievements/ examinati | ion types | BH 3-2 ; BH 3-5 | | | instion ach | iovomonto | | | | |
| Written exami | | ontypes | ii applicable, weight | ing of the st | .uuy/exan | | levenients | | | | |
| | ith colloquium | | | | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | | | | |
| _ | | | | | | | | | | | |
| Students | | •: | ith an acial name | | | | - | | | | |
| | dependently design se CAD programs and | | | | | | | - | | | |
| requirements | | i to input the wood | structures into CF | Comple | etery and | | ig to the machine s | , | | | |
| | se dimensioning prog | grams and design th | e timber structure | es with di | mensior | ning prog | rams | | | | |
| | rt machine data for | | | | | | | | | | |
| | with a timber constru | | | | | | | | | | |
| learn how to | assemble and disass | emble wooden stru | ctures | | | | | | | | |
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| | | | | | | | | | | | |
| Contents: | | | | | | | | | | | |
| Planning and | design of wooden st | ructures in accorda | nce with machine | requirem | ents | | | | | | |
| • Static calcula | tion of wooden struc | ctures | | | | | | | | | |
| • Use of CAD/C | ' | | | | | | | | | | |
| - | oodworking maching | | | | | | | | | | |
| • Joining, asser | nbly and disassembly | y of wooden structu | res | | | | | | | | |
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| | | | | | | | | | | | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in ho | ours) | | | | | | | |
| Prof. Dr. V. Krä | mer | 2 LVS | Course attendar | nce time | Home | study | | | | | |
| Teaching assist | ant | 2 LVS | Lecture | 30 h | | accomp | | | | | |
| | | - | Exercise | 30 h | and ex | am prepa | ration 120 h | | | | |
| _ | | - | Other | | | | | | | | |
| Total classroom | n time | 4 LVS | Total workload | | | | 180 h | | | | |
| Optional extra | | | | | | | | | | | |
| | | | | | | | | | | | |
| Literature | | | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | | | |
| | | | | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|----------------------|-------------------------|------------------|----------------------------|--------------|---------------------------|
| Bachelor of Wood Engineering | Special are | Special areas in wood | | | | 23.08.2018 |
| Study semester Offered in 5th semester WS | - | eering | Credit p 6 CP | ooints | - | Semester week hours 4 SWS |
| Allocation to study specialization | Responsible for modu | le | | | | if applicable |
| Structural wood engineering | Prof. DrIng. Voll | ker Krämer | | | exercises | |
| Can also be credited to study program Bachelor of Civil Engineering | | | Germ | ge of instr I an | uction | |
| Requirements according to examination regu | lations | Recommended pr | | | | |
| Successful completion of BH 3-2 or | | BH 2-12 | | | | |
| Study/examination achievements/ examinati | on types | If applicable, weig | hting of the st | tudy/exan | nination ach | lievements |
| Written examination (K2) | | | | | | |
| - | | | | | | |
| Module objectives/desired learning | outcomes: | | | | | |
| Students | | | | | | |
| are able to independently design | more complex com | ponents of timbe | er structure | es in bui | Iding con | struction in |
| accordance with standards | | | | | | |
| learn further joining techniques a | | | | | | |
| learn to design connections and the second sec | - | nal stresses in th | e compone | ents | | |
| learn how to verify cross laminate are enabled to design plate-shape | | susing the shear | analogy m | ethod | | |
| are enabled to design place shape | | susing the shear | analogy in | ctilou | | |
| | | | | | | |
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| Contents: | | | | | | |
| | | | | | | |
| Advanced topics in connection teo Multi-section connections | chnology in timber o | construction | | | | |
| Interaction of different conn | ection methods | | | | | |
| Spring approaches (yielding) | | ion | | | | |
| • Evidence of components subjecte | | | | | | |
| • Evidence of breakthroughs in larg | e-format componer | nts | | | | |
| Determination of stresses in cross | laminated timber e | elements | | | | |
| Thrust analogy | | | | | | |
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| | | | | | | |
| | | 1 | | | | |
| Course attendance time (in mandat | ory hours - LVS) | Workload (in h | - | | | |
| Prof. Dr. V. Krämer | 4 LVS | Course attenda | | Home | | |
| | - | Lecture | 40 h | | accompa | |
| | - | Exercise | 20 h | and ex | am prepa | ration 120 h |
| Total classroom time | - | Other Total workload | 4 | | | 190 h |
| Total classroom time Optional extra | 4 LVS | Total workload | μ | | | 180 h |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |
| | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|---|---------------------------|------------------|-------------|--------------|---------------------------|
| Bachelor of Wood Engineering | Woode | n bridge | BH | V 33 | | 23.08.2018 |
| Study semester Offered in SS 5th semester | | ruction | Credit p 6 CP | oints | | Semester week hours 4 SWS |
| Allocation to study specialization | Responsible for modu | le | | teaching, | group size, | if applicable |
| Structural wood engineering | Prof. DrIng. Voll | ker Krämer | | | exercises | |
| Can also be credited to study program | | | | ge of instr | uction | |
| Bachelor of Civil Engineering Requirements according to examination regu | lations | Recommended p | Germ | an | | |
| Successful completion of BH 3-2 or | | BH 2-12 | rerequisites | | | |
| Study/examination achievements/ examinati | | If applicable, wei | ghting of the st | udy/exam | nination ach | ievements |
| Student research paper with colloq | uium | | | | | |
| Module objectives/desired learning | outcomes: | | | | | |
| Students • are able to independently design • learn about load assumptions and • learn about structural wood prote • are enabled to design footbridges | l regulations for wo ection for wooden b | oden bridges. pridges. | | structio | n. | |
| | | | | | | |
| Contents: | | | | | | |
| General introduction to wooden biology Historical wooden bridges Development of wooden bridgy Examples Load assumption for wooden bride Materials / structural wood protestication Load-bearing systems Student research paper | ges ction | | | | | |
| Course attendance time (in mandat | ory hours - LVS) | Workload (in | hours) | | | |
| Prof. Dr. V. Krämer | 4 LVS | Course attend | T + | Home | | |
| | - | Lecture | 20 h | | accompa | |
| | - | Exercise | 40 h | and ex | am prepa | ration 120 h |
| | - | Other | | | | |
| Total classroom time Optional extra | 4 LVS | Total workloa | ad | | | 180 h |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course | e of study | Module name | Course | code | Internal | Last updat | ted | |
|---|---|---|---|------------------|-------------|--------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | Fire safety | and wood | BH | V 34 | | 01.09.20 | 018 |
| Study semester 5th semester | Offered in WS | preser | vation | Credit p 6 CP | ooints | | Semester 4 SWS | week hours |
| Allocation to study Structural wood | | Responsible for modul | | | - | group size, | if applicable | 5 |
| Can also be credite | | Prof. DrIng. Sabi | ine iffert-Schier | | ge of instr | uction | | |
| - | | | I | Germ | | | | |
| Requirements acco | rding to examination regu | lations | Recommended pr Solid construc | | | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weig | | tudy/exam | nination ach | nievements | |
| Seminar paper | | | | _ | | | | |
| - | | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| safety and woo 2. Knowledge o 3. Knowledge o 4. Knowledge o 5. Ability to tak | eive a basic introduc od preservation and a of the legal regulation of the terminology us of fire safety and woo se into account the re a compliance with sta f structures | are sensitized to this ns ed in fire safety and od preservation in st equirements of fire s | s subject matter d wood preserva tructures safety and wood | tion | | | | |
| Basic princip Fire, burning Structural fir Building mat Construction Fire safety for Fire safety construction Basic princip Animal and Structural weight | g, definition, origin re safety rerials, building produ n, escape routes, stain or special buildings oncepts | ucts, building parts rs, necessary corrido | | | | | | |
| Course attenda | ince time (in mandat | ory hours - LVS) | Workload (in l | hours) | | | | |
| Prof. Dr. S. Iffe | | 2 LVS | Course attend | | Home | | | |
| Teaching assist | ant | 2 LVS | Lecture | 60 h | | accompa | | 120 h |
| | | | Exercise Other | | anu ex | am prepa | aration | 12011 |
| Total classroon | n time | 4 LVS | Total workloa | d | 1 | | | 180 h |
| Optional extra Literature is listed in Stu | d.IP | | | | | | | |
| | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|---|---|----------------|--------------|-------------|------------------------|
| Bachelor of Wood Engineering | Fire s | afety | BH | V 35 | | 23.10.2020 |
| Study semester Offered in | | arety | Credit | points | | Semester week hours |
| 5th semester WS Allocation to study specialization | Responsible for modul | 0 | 3 CP | fteaching | group size | 2 SWS if applicable |
| Structural wood engineering | Prof. Dr. Sabine If | | Lectu | - | group size, | |
| Can also be credited to study program | | | | ge of instru | uction | |
| Requirements according to examination regu | lations | Recommended pr | Germ | nan | | |
| Requirements according to examination repu | | Solid construc | | | | |
| Study/examination achievements/ examinati | on types | If applicable, weig | hting of the s | tudy/exam | ination ach | ievements |
| Written examination (K1) | | | | | | |
| Module objectives/desired learning 1. Students receive a basic introduct safety and wood preservation and 2. Knowledge of the legal regulation 3. Knowledge of the terminology us 4. Knowledge of fire safety and wood 5. Ability to take into account the represervation in compliance with sconstruction of structures | tion to the multifact d are sensitized to t s ed in fire safety and od preservation in st quirements of fire s | his subject matt I wood preserva cructures safety and wood | er. ation | | | |
| Contents: Fire safety 1. Standards, regulations and codes 2. Basic principles 3. Fire, burning, definition, origin 4. Structural fire safety 5. Building materials, building produ 6. Construction, escape routes, stain 7. Fire safety for special buildings 8. Fire safety concepts | ucts, building parts | ors | | | | |
| | | | | | | |
| Course attendance time (in mandat | ory hours - 11/S) | Workload (in l | hours) | | | |
| Teaching assistant | 2 LVS | Course attend | | Home | studv | |
| | | Lecture | 30 h | 1 | accompa | anying |
| | | Exercise | | and exa | am prepa | ration 60 h |
| | | Other | l | | | |
| Total classroom time | 2 LVS | Total workloa | d | | | 90 h |
| Optional extra | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to cours | e of study | Module nan | ne | | Course cod | e Interna | l Last updated | | | |
|--|--|---|--|---|-----------------------------------|------------------|---|--|--|--|
| Bachelor of W | ood Engineering | Ste | el ens | gineering | BHV | 39 | 01.09.2018 | | | |
| Study semester 5th semester | Offered in WS | | | , | Credit point 6 CP | | Semester week hours 4 SWS | | | |
| Allocation to study Structural wood | | Responsible | | | | ching, group siz | | | | |
| | d to study program | PT01. D1 | ing. ster | tefanie Steppeler Lecture with integrated exercises Language of instruction Language of instruction | | | | | | |
| - | rding to examination reg | ulations | | Recommended prer | German | | | | | |
| Requirements acco | rung to examination reg | guiations | | BH 1-1, BH 1-4, | | | | | | |
| Written exami - | achievements/ examina nation (K2) ves/desired learnin | | | If applicable, weight | ing of the study | /examination a | chievements | | | |
| - | onents in steel cons ed the basic standar of stability | | | | - | in steel stru | ctures that are at | | | |
| Contents: • Steel and ste | el products, materia | al properties | | | | | | | | |
| Introduction Basic principl steel constru Basic principl Basic principl | - | nensioning s and design c and design c na of stability | tandards of simple of simple y specific | in steel construct tension and com bolted and welde to steel construct | pression mei ed joints tion | | ll as bending girders in ubject to stability | | | |
| | | | | | | | | | | |
| | ince time (in manda | | - | Workload (in ho | - | | | | | |
| Currently, tead | cning assistant | 4 | LVS | Course attendar | ice time H | ome study | | | | |

| currently, teaching assistant | 4 2 4 5 | course atterna | unce time | Home Study | |
|-------------------------------|---------|----------------|-----------|----------------------|-------|
| | - | Lecture | 60 h | Course accompanying | |
| | - | Exercise | | and exam preparation | 120 h |
| | - | Other | | | |
| Total classroom time | 4 LVS | Total workloa | d | | 180 h |
| Optional extra | | | | | |

Literature

is listed in Stud.IP

| Allocation to cours | e of study | Module name | | Course | code | Internal | Last update | ed |
|---|---|---|--|---|--|-------------------------|---------------------|-------------|
| Bachelor of W | ood Engineering | Energy-effici | ient building | BH | V 40 | | 01.09.20 | 18 |
| Study semester 5th semester | Offered in SS | | | Credit 6 CP | points | 1 | Semester v 4 SWS | veek hours |
| - | engineering d to study program | Responsible for modul Prof. DrIng. Alfre | | Lectu | re with ge of instr | exercise | if applicable | |
| Requirements acco | rding to examination regu | ulations | Recommended pre | requisites | | | | |
| | achievements/ examinat ch paper without co | | If applicable, weigh | ting of the s | tudy/exam | nination ach | nievements | |
| Module objecti | ves/desired learning | outcomes: | | | | | | |
| Holistic assess systems accord Students gain design Knowledge of Knowledge of Knowledge of criteria Ability to deve | the connection betwo ment of building con ding to energy efficie knowledge of energy energy efficiency sta the options for passiv cools and methods for lop project-specific o practice in project w | cepts and analysis of ncy criteria efficient design and ndards and energy b we and active use of or a planning and cou | f materials, struc l construction in palancing regenerative ene nstruction proces | tures and the overa ergies es optimiz | building Il contex ed accor | t of build ding to e | ing nergy effic | · |
| Energy needs Development Legal regulati Energy baland Basic principl Basic principl Energy needs Building energy Energy-optim Passive and a Energy efficie Environments Examples of balance | gy, sustainability in the building life c of environmentally ons and requirement te in buildings es of energy balancir and balancing accor gy standards: Passive ized building plannir ctive planning strate ncy in existing buildi ally compatible build buildings in detail | and climate-compat ts: EnEV, EEWärmeG ng: Balancing area, b ding to EnEV for resi e house, KfW efficier ng Building structure gies for reducing eno ngs ing materials and str | 6, EEG, EU Buildir alancing criteria idential and non- ncy house, zero, p , building enclosu ergy needs and o ructures | g Directiv and balan residentia blus energ ure, buildi ptimizing | re, etc. cing limi al buildin sy house ng servio | igs ces Buildi | ngs as ene | rgy systems |
| Course attenda | ince time (in mandat | tory hours - LVS) 4 LVS | Workload (in he Course attenda | | Homo | ctudy | | |
| TIOL DI. A. DR | aneiman | - | t | 45 h | Home Course | accompa | anying |] |
| | | - | Exercise Other | 15 h | - | am prepa | | 120 h |
| Total classroor | n time | 4 LVS | Total workload | | | | | 180 h |
| Optional extra | | | 1 | | | | | 1 |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | Course | code | Internal | Last updated | |
|---|--|---|---|------------------|-------------|--------------|---------------------------|
| Bachelor of Wo | ood Engineering | Building acou | istics in wood | BH | V-44 | | 01.02.2019 |
| Study semester 5th semester | Offered in WS | | tures | Credit p 3 CP | points | | Semester week hours 2 SWS |
| Allocation to study | | Responsible for modu | | | | | if applicable |
| Structural wood | | Prof. Dr. A. Breuk | kelman | | ge of instr | | rts as a seminar |
| - | a to study program | | | Germ | | uction | |
| Requirements acco | rding to examination re | gulations | Recommended prere | quisites | | | |
| | | | | | | | |
| | achievements/ examination | ation types | If applicable, weighti | ng of the s | tudy/exan | nination ach | nievements |
| Written exami | | | | | | | |
| Madula abiactiv | ves/desired learnir | a outcomos: | | | | | |
| - Ability to eval - Ability to perf - Ability to perf | uate building acou | tical relationships in vo stical situations in wo stical calculations and detailed planning in g/building acoustics a | ood structures I preliminary dime accordance with b | uilding a | | | ments |
| Analysis of co Building site r | mponents and stru neasurements and application technol | building acoustics in | | nstructio | n accord | ling to DI | N 4109 |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | urs) | | | |
| DiplIng. G. Sp | | 2 LVS | Course attendan | | Home | study | |
| | | | Lecture 2 | 20 h | | e accomp | anying |
| | | - | Exercise | | and ex | am prepa | aration 60 h |
| | | - | Other 1 | L0 h | | | |
| Total classroom | n time | 2 LVS | Total workload | | | | 90 h |
| Optional extra Literature is listed in Stur | d.IP | | | | | | |

| Allocation to course | e of study | Module name | Module name Cour | | | | Last updated |
|------------------------------------|--------------------------|------------------------|----------------------|------------------|--------------------|--------------|---------------------------|
| Bachelor of Wo | ood Engineering | FEM in strue | ctural wood | BH | V-47 | | 29.07.2021 |
| Study semester 5th semester | Offered in WS | engine | | Credit p 6 CP | ooints | | Semester week hours 4 SWS |
| Allocation to study | | Responsible for modul | | | | | if applicable |
| Structural wood | | Prof. DrIng. V. K | rämer | | act studi | | |
| Can also be credite | d to study program | | | Germ | ge of instr Ian | uction | |
| Requirements acco | rding to examination reg | ulations | Recommended pre | | | | |
| | | | Static 1 to 3, V | Vood engir | neering | 1 und 2 | |
| - | achievements/ examinat | | If applicable, weigh | hting of the s | tudy/exam | nination ach | lievements |
| Student resear | ch paper with colloo | quium | | | | | |
| - | | | | | | | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | |
| Students | | | | | | | |
| | owledge on how FE | M programs work | | | | | |
| | - | nmonly used in the c | onstruction indu | istry with | confider | ice | |
| | e results of compute | | | | connuci | | |
| | | and post-processing | ξ. | | | | |
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| Contents: | | | | | | | |
| | 6 11 11 6 | | | | | | |
| | reas of application f | | - f | | | | |
| - | led solution of equa | ctures with systems | or equations | | | | |
| | re of FEM programs | | | | | | |
| | to an FEM system | | | | | | |
| | - | e field of timber cons | struction | | | | |
| | f flat and spatial stat | | | | | | |
| | | nection stiffnesses a | and eccentricitie | S | | | |
| Quality contr | ol of the static calcu | lation | | | | | |
| Using a spread | dsheet program wit | h a macro language | for pre- and pos | t-processir | ng | | |
| | | | | | | | |
| | | | | | | | |
| Course attenda | nce time (in manda | tory hours - LVS) | Workload (in h | ours) | | | |
| DiplIng. C. Se | | 4 LVS | Course attenda | | Home | studv | |
| 1 0. 2. 20 | | - | Lecture | 45 h | | accompa | anying |
| | | - | Exercise | 15 h | | am prepa | |
| | | - | Other | | | | |
| Total classroon | n time | 4 LVS | Total workload | ł | | | 180 h |
| Optional extra | | I | 1 | | | | I |
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| | | | | | | | |
| Literature | | | | | | | |
| is listed in Stu | d.IP | | | | | | |
| | | | | | | | |

| Bachelor of Wood Engineering Study semester Offered in 4th semester SS Allocation to study specialization Structural wood engineering Can also be credited to study program - - Requirements according to examination reg Study/examination achievements/ examina Student research paper with colloor | Responsible for modu Prof. DrIng. V. K | le Krämer | BHV-48 Credit points 6 CP Type of teaching Contact stud Language of inst | Sem 4 S g, group size, if app | 07.2021 ester week hours WS licable |
|---|---|--|---|-------------------------------------|--|
| 4th semester SS Allocation to study specialization Structural wood engineering Can also be credited to study program - Requirements according to examination reg Study/examination achievements/ examination | Responsible for modu Prof. DrIng. V. K | gineering ^{Ile} Krämer | 6 CP Type of teaching Contact stud | 4 S g, group size, if app | WS |
| Study/examination achievements/ examina | gulations | offered in er Offered in SS wood engineering udy specialization ood engineering Responsible for module Prof. DrIng. V. Krämer | | | |
| | | Recommended prerec | German uisites | | |
| | | Lectures in wood | | and 2, static | |
| - | | If applicable, weightin | g of the study/exa | mination achievem | ents |
| Module objectives/desired learning Students • acquire knowledge of the advant • know criteria used for structural • know the relationships between • are able to analyze existing timbe | ages and disadvanta design. design and the statio | - | uctural designs | | |
| Contents: • Discussion of typical wooden stru • Bracing of the supporting structu • Room support structures and gir • Design of connections and support | ıres via planar prima der grids | ry and secondary sy | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in hou | rs) | | |
| DiplIng. C. Seifart | 4 LVS | Course attendanc | | study | |
| | | Lecture 60 Exercise Other | | e accompanyin xam preparatic | - |
| Total classroom time | 4 LVS | Total workload | I | | 180 h |
| Optional extra | | | | | |

| Allocation to course | of study | Module name | | Course | code | Internal | Last updated | |
|--|---|---|------------------------------------|-----------------|--------------|---------------------|---------------------------|----------|
| Bachelor of Wo | od Engineering | CAD-CAN | I practical | BH | V 02 | | 01.02.2019 | |
| Study semester 5th semester | Offered in WS | | project | Credit 6 CP | points | 1 | Semester week ho 4 SWS | urs |
| Allocation to study Furniture and int | | Responsible for modul | | | | | if applicable | |
| Can also be credited | | Prof. DrIng. Frar | ik Prekwinkei | | ige of instr | exercises uction | | |
| - | | | I | Germ | | | | |
| Requirements accor | ding to examination regu | lations | Recommended p | rerequisites | | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weig | ghting of the s | tudy/exam | nination ach | ievements | |
| Student resear | ch paper with colloq | uium | | | | | | |
| - | | | | | | | | |
| Module objectiv | es/desired learning | outcomes: | | | | | | |
| Independent v Independent v Within the product of Knowledge of Knowledge of | vork with CNC mach vork with CAD/CAM execution of projects oject work they deve the structure of CAE the different proces cation of theoretical | systems s in groups lop their own team, D/CAM systems and sing strategies | , conflict, facilita | | eadershi | o skills | | |
| Conversion of Programming Milling technol Multi-side production 4/5 axes simu Structure of d Data exchange 3D digitization Practical appli | taneous processing ifferent CAD/CAM sy e between different | ins into 3D models u cessing axes ng axes vstems and how the CAD/CAM systems and material knowle | using 5-axis tech y work dge | nology | | g machino | 25 | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in | hours) | | | | |
| Teaching assist | | 2 LVS | Course attend | | Home | study | | |
| DiplIng. N. Lin | | 2 LVS | Lecture | 30 h | Course | accompa | | |
| | | - | Exercise | 30 h | and ex | am prepa | ration 120 l | h |
| Total classroom | | - | Other Total workloa | | | | 402 | |
| Optional extra | ume | 4 LVS | | ia | | | 180 | <u>n</u> |
| Literature is listed in Stud | J.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|---|---|--|---------------------|--------------|-------------|--------------|---------------------|
| Bachelor of Wo | ood Engineering | CIM - CC | omputer- | BH | V 03 | | 01.09.2018 |
| Study semester | Offered in | | • | Credit p | ooints | | Semester week hours |
| 5th semester | WS | - | d furniture | 6 CP | | | 4 SWS |
| Allocation to study | specialization | Responsible for modu | acturing | Type of | toaching | group sizo | if applicable |
| Furniture and int | | Prof. DrIng. Fran | | Lectu | | group size, | паррисаріе |
| Can also be credited | d to study program | | | | ge of instr | uction | |
| - | rding to overningtion rea | ulations | Recommended pr | Germ | an | | |
| Requirements acco | rding to examination reg | ulations | BH 4-8, BH 4-9 | | | | |
| Study/examination | achievements/ examina | tion types | If applicable, weig | | tudy/exam | nination ach | ievements |
| Project work w | ith colloquium | | | | | | |
| - | | | | | | | |
| potential applic and componen | cations. They also le | tegies for modern co arn about the select acquire basic knowl /stems (PPS/ERP). | ion, implementa | ation and ir | tegratio | on strateg | ies for CIM systems |
| Scope of servi Development Integration still Interfaces and Outlook on fu | rategies I limits ture developments nagement and contr | ce evaluation sed on examples of | production strat | egies | | | |
| Course attenda | nce time (in manda | tory hours - LVS) | Workload (in h | nours) | | | |
| Prof. Dr. F. Pre | · · · · · · · · · · · · · · · · · · · | 4 LVS | Course attenda | | Home | study | |
| | | - | Lecture | 60 h | | accomp | |
| | | - | Exercise | | and ex | am prepa | aration 120 h |
| | | - | Other | | | | |
| Total classroom | n time | 4 LVS | Total workload | d | | | 180 h |
| Optional extra | | | | | | | |
| Field trips | | | | | | | |
| Literature is listed in Stud | d.IP | | | | | | |

| Allocation to course of study | Module name | | Course co | ode | Internal | Last updated | | | |
|---|------------------------|--|---------------------|--|------------|------------------------------|--|--|--|
| Bachelor of Wood Engineering | Additive r | oroduction | BHV | / 04 | | 01.09.2018 | | | |
| Study semesterOffered in5th semesterWS | techn | ology | Credit poi 6 CP | ints | | Semester week hours 4 SWS | | | |
| Allocation to study specialization Furniture and interior finishing | Responsible for modu | le | | Type of teaching, group size, if applicable Project work, max. of 12 participants | | | | | |
| Can also be credited to study program | N.N. | | Language | | | .2 participants | | | |
| - | | | Germai | | | | | | |
| Requirements according to examination reg | ulations | Recommended pr | | | | | | | |
| Study/examination achievements/ examina | tion types | Knowledge corresponding to BH 2-8 and BH 2-10 If applicable, weighting of the study/examination achievements | | | | | | | |
| Project work with colloquium | tion types | ii applicable, weig | sinting of the stat | ay/exam | | levements | | | |
| - | | | | | | | | | |
| Module objectives/desired learning | g outcomes: | | | | | | | | |
| | - | | | | | | | | |
| Module objectives/desired learnin | g outcomes: | | | | | | | | |
| | | | | | | | | | |
| Application of methods for identify and application of methods for ger | | otential in the fu | rniture secto | r, selec | tion | | | | |
| Selection and application of methods | - | | | | | | | | |
| | 04140 | | | | | | | | |
| Creation of prototypes (rapid proto | otyping) on HAWK ea | quipment | | | | | | | |
| Digital collaborative knowledge do | cumentation and dig | gital collaborativ | ve knowledge | e mana | gement (| wikis). | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| Contents: | | | | | | | | | |
| | | | | | | | | | |
| Description of contents: Development of furniture, furnitur | e details or related t | onics using the | design techni | iaues fi | rom the F | 3H2-8 Design | | | |
| Theory module and extensive CAD | | | | iques ii | onn the t | JIZ-0 Design | | | |
| Implementation of the concept as | | | pid prototyp | ing tec | hniques, | if necessary in | | | |
| combination with skilled trade tech | nniques, 3D data acq | uisition and the | use of C-tecl | hnologi | ies | | | | |
| Project-related knowledge docume | entation and knowle | dge managemer | nt in a projec | t-relate | ed topic v | viki | | | |
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| | | | | | | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in l | hours) | | | | | | |
| DiplIng. E. Puls, M.A. | 4 LVS | Course attend | | Home s | studv | | | | |
| p | - | Lecture | | | accompa | anying | | | |
| | - | Exercise | | | am prepa | | | | |
| | - | Other | | | | | | | |
| Total classroom time | 4 LVS | Total workloa | d | | | 180 h | | | |
| Optional extra | | | | | | | | | |
| | | | | | | | | | |
| 1.14 | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | |
| is iisteu iii stuu.ip | | | | | | | | | |
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| I Engineering Offered in VS cialization | Experiment | | Course | code | Internal | Last upda | |
|--|--|---|--|---|---|--|--|
| VS cialization | | tal furniture | BH | V 05 | | 01.02.2 | 019 |
| | - | sign | Credit p 6 CP | oints | | Semester 4 SWS | week hours |
| or finishing | Responsible for modu Prof. Dr. Frank Pr | | Type of Lectu | | group size, | if applicabl | e |
| study program | | | Langua; Germ | ge of instr an | uction | | |
| g to examination regu | lations | Recommended pre | erequisites | | | | |
| | | If applicable, weigh | nting of the st | udy/exan | nination ach | ievements | |
| paper with colloq | uium | | | | | | |
| ize and take advar for special require | ntage of material pr ements in technical | - | | Il of the | furniture | e making f | ïeld. |
| erials in technical re using convention | and/or design term onal and unconvent | tional materials | | | | | |
| | | | | | | | |
| e time (in mandate | ory hours - LVS) | Workload (in h | ours) | | | | |
| e time (in mandato t | ory hours - LVS) 4 LVS | Workload (in h Course attenda | - | Home | | | |
| | | Course attenda Lecture | ince time 10 h | Course | accompa | | 120 h |
| | | Course attenda | ince time | Course | | | 120 h |
| | paper with colloque /desired learning ize and take advar for special require urage unconvention urage unconvention urage urag | for special requirements in technical urage unconventional thinking nventional materials erials in technical and/or design term ire using conventional and unconven | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are for special requirements in technical and/or design for urage unconventional thinking | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typica for special requirements in technical and/or design form urage unconventional thinking nventional materials rerials in technical and/or design terms ire using conventional and unconventional materials | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typical of the for special requirements in technical and/or design form urage unconventional thinking nventional materials rerials in technical and/or design terms ire using conventional and unconventional materials | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typical of the furniture for special requirements in technical and/or design form urage unconventional thinking nventional materials registerials in technical and/or design terms ire using conventional and unconventional materials | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typical of the furniture making f for special requirements in technical and/or design form urage unconventional thinking eventional materials serials in technical and/or design terms ire using conventional and unconventional materials |

| | e of study | Module name | | Course | code | Internal | Last update | ed |
|--|--------------------------|--|--|--------------------------|--------------------------|--------------|---------------------|-----------------------|
| Bachelor of Wo | ood Engineering | Freehand (| drawing for | BH | V 06 | | 01.02.20 | 19 |
| Study semester 5th semester | Offered in WS | | neers | Credit p 6 CP | oints | | Semester w 4 SWS | veek hours |
| Allocation to study Furniture and int | | Responsible for modu Prof. Dr. Frank Pr | | Type of Lectu | _ | group size, | if applicable | |
| Can also be credited | d to study program | | | Languag Germ | ge of instr an | uction | | |
| Requirements acco | rding to examination re | gulations | Recommended pre | requisites | | | | |
| | achievements/ examin | | If applicable, weigh | nting of the st | udy/exam | nination ach | ievements | |
| - Student resear | ch paper with collo | oquium | | | | | | |
| /lodule objectiv | ves/desired learnii | ng outcomes: | | | | | | |
| ····· | | 0 | | | | | | |
| | | tools, such as a ruler o | | | | | | |
| - Representing | ideas in the form o | of sketches as a mean | s of communicat | ion | | | | |
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| ontents: | | | | | | | | |
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| - Lessons on ho | w to skotch and d | 214/ | | | | | | |
| | w to sketch and d | | tion | | | | | |
| | | raw ovement and clarificat | tion | | | | | |
| | | | tion | | | | | |
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| | | | tion | | | | | |
| - Criticism and | guidance for impro | ovement and clarificat | | ours) | | | | |
| - Criticism and p | guidance for impro | atory hours - LVS) | Workload (in h | - | Home | study | | |
| - Criticism and | guidance for impro | ovement and clarificat | Workload (in h Course attenda | nce time | Home | | | |
| - Criticism and p | guidance for impro | atory hours - LVS) | Workload (in h Course attenda Lecture | nce time 10 h | Course | accompa | | 120 h |
| - Criticism and p | guidance for impro | atory hours - LVS) | Workload (in h Course attenda Lecture Exercise | nce time | Course | | | 120 h |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) | Workload (in h Course attenda Lecture Exercise | nce time 10 h 50 h | Course | accompa | | 120 h 180 h |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | |
| - Criticism and p | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand ant | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | |

| Allocation to course Bachelor of We | e of study Dod Engineering | Module name | - | Course | code V 07 | Internal | Last update 01.09.202 | |
|--|---|---|---|--------------|---------------------|----------------------|--------------------------------------|-----------|
| Study semester 5th semester Allocation to study Furniture and in Can also be credite | | Responsible for modul Prof. DrIng. Fran | | Lectu | f teaching, | exercise | Semester w 4 SWS if applicable | eek hours |
| - | rding to overside the res | wlations | Decemmended prov | Germ | nan | | | |
| Requirements acco | rding to examination reg | guiations | Recommended prere | equisites | | | | |
| | achievements/ examina vith colloquium | tion types | If applicable, weight | ing of the s | tudy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | |
| processing in fi production pla individuality ar | urniture and interio nning, NC programr | cessing. Furthermore r design (planning, or ning) in such a way th n using CAD/CAM tec | rder entry, order p nat efficiency and | processin | g, desigi | n, parts li | sts, work so | chedules, |
| | bject-oriented CAD ocesses and organiz | | | | | | | |
| - Requirements schedules, pro | s within the process duction planning, N | es for planning, orde | | _ | - | | iterial, wor | k |
| - Definition of | parts lists and produ analyses, evaluation | | | | | | | |
| Course attenda | ince time (in manda | atory hours - LVS) | Workload (in ho | urs) | | | | |
| Prof. Dr. F. Pre | | 2 LVS | Course attendan | ice time | Home | | | |
| Teaching assist | ant | 2 LVS - | Exercise 3 | 30 h 30 h | | e accomp am prepa | | 120 h |
| Total classroon | n time | - 4 LVS | Other Total workload | | | | | 180 h |
| Optional extra | | | 1 | | | | | |
| is listed in Stu | d.IP | | | | | | | |

| Allocation to cours | e of study | Module name | _ | Course | code | Internal | Last updated |
|---|--|---|---------------------------|------------------|-------------|-------------------------|------------------------------|
| Bachelor of W | ood Engineering | | - Practical | | V 08 | | 01.09.2018 |
| Study semester 5th semester | Offered in WS | | or the use of /CAM | Credit p 6 CP | oints | I | Semester week hours 4 SWS |
| Allocation to study Furniture and in | | Responsible for modu Prof. DrIng. Frai | | | | group size, exercise | , if applicable |
| | d to study program | | | | ge of instr | | |
| Requirements acco | ording to examination re | gulations | Recommended pre BHV 07 | erequisites | | | |
| | achievements/ examina vith colloquium | ation types | If applicable, weigh | nting of the st | udy/exan | nination ach | nievements |
| - | | | | | | | |
| Module objecti | ves/desired learnin | ng outcomes: | | | | | |
| Church and a star | | | | | | | |
| | | ding of the use of obj | | | | | |
| examples. To t | his end, practical ex | kamples will also be i | mplemented with | h industry | partner | s. The ma | in focus will be on: |
| - Handling a cι | stomer-specific pro | ject from initial plan | ning to CNC mach | nine conne | ction | | |
| - | | h configuration logic | - | | | | |
| - | - | ed business models fo | | | | | |
| - | | structure common inf | - | | aroduct | ion proce | esses and ontimize |
| | odern software tech | | terior design and | Turniture | Jiouuci | | sses and optimize |
| them using mu | | inologies. | | | | | |
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| Cambanta | | | | | | | |
| Contents: | | | | | | | |
| - | | ge regarding object- | | M systems | 5 | | |
| - Connection o | f CNC machines, op | timization of the mag | chining strategy | | | | |
| - Analysis of cu | istomer requiremer | nts, product catalogs, | and fulfillment p | rocesses v | vhen us | ing Interr | et-based order |
| fulfillment syst | ems | | | | | | |
| - | | r the customized con | figuration of furn | iture elem | ents | | |
| - | roduct catalogs | | | | erres | | |
| | - | on and pricing logisti | | | | | |
| | • | on and pricing logistic | CS | | | | |
| - Practical exar | nples | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | 1 | | | | |
| | ance time (in manda | | Workload (in h | , | | -41 | |
| Prof. Dr. F. Pre | - | 2 LVS | Course attenda | | Home | | anving |
| Teaching assis | ldiil | 2 LVS | Lecture | 30 h | | e accomp | |
| | | - | Exercise | 30 h | and ex | am prepa | aration 120 n |
| Total classroor | n time | - 4 LVS | Other Total workload | | | | 180 h |
| Optional extra | | 4 2 4 5 | | • | | | 100 11 |
| 1 | | | | | | | |
| Field trips | | | | | | | |
| | | | | | | | |
| Literature | | | | | | | |
| is listed in Stu | d.IP | | | | | | |
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| Dachalar of W/ | of study | Module name | | Course | | Internal | Last updated |
|---|---|--|---|---------------------------------|-------------|----------------------------|-----------------------------------|
| | Offered in | • | n in the wood | Cradita | V 09 | | 01.09.2018 Semester week hours |
| Study semester 5th semester | WS | and furnitu | ire industries | Credit p 6 CP | OITILS | | 4 SWS |
| Allocation to study s Furniture and int | | Responsible for mod | | | - | , group size, exercises | if applicable |
| Can also be credited | | Prof. DrIng. Fra | апк Ргекшпкеі | | ge of instr | | |
| - | | | | Germ | | | |
| Requirements accor | ding to examination re | gulations | Recommended prer | equisites | | | |
| | achievements/ examina ch paper with collo | | If applicable, weight | ting of the st | udy/exan | nination ach | ievements |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | |
| This course is d industry examp Students should strategies for p | esigned to familiar les are to be analy d be able to evalua | | chnologies from In ss factors identified their own and othe | dustry 4.0 I. er people's | and io | T. In addit ation idea | |
| - Possible appli | cations of different | dustry 4.0 and inter technologies, espec strategies from the U | cially in the furnitu | | y | | |
| - Standardizatio | on efforts | | | - | | | |
| - | | iration in the furnitu process managemen | - | | | | |
| - Practical exam | - | inocess managemen | l | | | | |
| - Economic effic | ciency analysis of s | elected practical exa | • | | | | |
| - Identification | of success factors I | based on selected pr | ractical examples | | | | |
| | | | | | | | |
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| | nce time (in manda | | Workload (in ho | | | | |
| Prof. Dr. F. Prel | - | 2 LVS | Course attendar | | Home | | |
| Teaching assist | ant | 2 LVS | | 30 h | | e accomp am prepa | |
| | | - | Exercise Other | 30 h | | an hich | |
| Total classroom | time | 4 LVS | Total workload | | | | 180 h |
| Optional extra | | 1 | | | | | |
| Field trips | | | | | | | |
| Literature | | | | | | | |
| is listed in Stud | 1.IP | | | | | | |
| IS IISTEN III STUI | | | | | | | |

March 2022

This Module Handbook has been translated from German to English by Johnson Translations, Hildesheim.

The translation was co-funded by the ERASMUS+ Programme of the European Union.





Part 1

Structural wood engineering

| Bachelor of Wood Engine Study semester Offered in 1st semester WS Allocation to study specialization All Can also be credited to study pro- Requirements according to examination Study/examination achievement Written examination (K2) - Module objectives/desire Students acquire basic km They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (Prof. DrIng. Iris Marqua | eering Rui | ule name | | Course | code | Internal | Last updat | ed |
|--|---------------------------------------|------------------|-----------------------|------------------|-------------------------|------------------------|---------------------|------------|
| 1st semester WS Allocation to study specialization All Can also be credited to study pro- Requirements according to exam Study/examination achievement Written examination (K2) - Module objectives/desire Students acquire basic km They learn the basic printed durability, as well as build They are enabled to inde They are enabled to inde Students: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; sturequirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| | ilding mat | terials scienc | e BH | 1-1 | | 10.03.20 |)21 |
| Allocation to study specialization All Can also be credited to study pro- Requirements according to exam Study/examination achievement Written examination (K2 - Module objectives/desire Students acquire basic krr They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| 1 | | | Credit p 6 CP | oints | | Semester v 4 SWS | veek hours |
| Can also be credited to study pro- Requirements according to exan Study/examination achievement Written examination (K2) - Module objectives/desire Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; sto requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| n Resp | onsible for modu | ule | | teaching | , group size, | | |
| Requirements according to examination achievements Study/examination achievement Written examination (K2 Module objectives/desire Students acquire basic krr They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde They are enabled to inde Staterial testing and quibehavior towards liquids Mineral binding agents Concrete: Raw materia and quality assurance; str requirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in t Course attendance time (| | of. DrIng. Iris | Marquardt | Lectu | | | | |
| Study/examination achievement Written examination (K2 - Module objectives/desire Students acquire basic krr They learn the basic prind durability, as well as build They are enabled to inde They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brio 6. Synthetic materials in t Course attendance time (| ogram | | | Germ | ge of inst an | ruction | | |
| Written examination (K2, - Module objectives/desire Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde Contents: Basic studies: Technication material testing and quite behavior towards liquids Mineral binding agents Concrete: Raw materiation Concrete: Raw materiation Steel: Production, testition Artificial stone and brid Synthetic materials in time | mination regulations | | Recommended prei | requisites | | | | |
| Module objectives/desire Students acquire basic kristic They learn the basic print durability, as well as build They are enabled to inde They are enabled to inde Contents: Basic studies: Technica of material testing and quibehavior towards liquids Mineral binding agents Concrete: Raw materia and quality assurance; strirequirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in the string string strength | | 25 | If applicable, weight | ting of the st | udy/exar | mination achi | ievements | |
| Students acquire basic kr They learn the basic print durability, as well as build They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qu behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| .) | | | | | | | |
| They learn the basic print durability, as well as build They are enabled to inde Contents: 1. Basic studies: Technica of material testing and qui behavior towards liquids 2. Mineral binding agents 3. Concrete: Raw materia and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brio 6. Synthetic materials in t Course attendance time (| d learning outco | omes: | | | | | | |
| Basic studies: Technical of material testing and quibehavior towards liquids Mineral binding agents Concrete: Raw material and quality assurance; sturequirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in the course attendance time (| ding physics requ | uirements. | - | | - | | - | vior and |
| Concrete: Raw materia and quality assurance; str requirements; mortars Steel: Production, testi Artificial stone and brid Synthetic materials in t Course attendance time (| uality assurance; and gases; therr | ; microstructu | ure and structure o | | | - | | |
| and quality assurance; str requirements; mortars 4. Steel: Production, testi 5. Artificial stone and brid 6. Synthetic materials in t Course attendance time (| S | | | | | | | |
| Course attendance time (| rength and defo | rmation beha | | | | - | - | - |
| | the building indu | ıstry | | | | | | |
| Prot. DrIng. Iris Marqua | | | Workload (in ho | - | | | | |
| | irdt | 4 LVS | Course attenda | | Home | - | nving | |
| | | | Lecture Exercise | 60 h | | e accompa kam prepa | | 120 h |
| | | - | Other | | | | | |
| Total classroom time | | 4 LVS | Total workload | | | | | 180 h |
| Optional extra | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | |
|--|----------------------|---------------------|-------------------|--------------------|-------------------------|-----------------|-------|
| Bachelor of Wood Engineering | Math | ematics | BH | 11-2 | | 01.09.2018 | |
| Study semester Offered in | | cinatics | Credit | points | | Semester week h | lours |
| 1st semester WS Allocation to study specialization | Responsible for modu | le | 6 CP | fteaching | group size. | 6 SWS | |
| All | Prof. DrIng. Axe | | Lectu | | , <u>8. e ap e.ce</u> , | | |
| Can also be credited to study program | | | Langua Germ | ge of insti nan | ruction | | |
| Requirements according to examination re- | gulations | Recommended | | iun | | | |
| | | | | | | | |
| Study/examination achievements/ examination Written examination (K2) | ation types | If applicable, we | eighting of the s | tudy/exar | nination ach | ievements | |
| - | | | | | | | |
| Module objectives/desired learnin | ng outcomes: | | | | | | |
| - They are able to solve problems | | | | | | | |
| Equations and systems of linear of Determinants and matrices Vector algebra Functions and curves Differential calculus Basic principles of integral calcul | | | | | | | |
| | | 1 | | | | | |
| Course attendance time (in manda | | Workload (in | | | | | |
| Teaching assistant | 6 LVS | Course atter | | Home | | anving | |
| | - | Lecture Exercise | 90 h | | e accompa kam prepa | | h |
| | - | Other | | | 112.6 | | |
| Total classroom time | 6 LVS | Total worklo | ad | | | 180 | 0 h |
| Optional extra | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course of study | Module n | ame | | Course | code | Internal | Last updat | ed |
|---|---|--|---|--------------------------------------|----------------------------|--------------|------------------------------------|------------|
| Bachelor of Wood Engineering | Buil | ding co | nstruction, | BH | 1-3 | | 01.09.20 |)18 |
| Study semester Offered in 1st semester WS Allocation to study specialization All | B I Responsit | uilding | physics 1 | Credit p 6 CP Type of Lectu | f teaching Ire/exer | cise | Semester 6 SWS if applicable | week hours |
| Can also be credited to study program | | | | Germ | ge of insti I an | ruction | | |
| Requirements according to examination reg | ulations | | Recommended pre | | | | | |
| none | | | none | | | | | |
| Study/examination achievements/ examinat | ion types | | If applicable, weigh | hting of the s | tudy/exar | nination ach | nievements | |
| Written examination (K2) | | | | | | | | |
| - Module objectives/desired learning | g outcome | s: | | | | | | |
| Students acquire knowledge of the basic principles of building physics. They acquire knowledge about states. They develop the ability to recogn and discuss them across different of the building and construction tasks in of the building and construction tasks in of the apply design rule. They are able to independently principal states. | andardizat hize structo disciplines. endently ir context. es indepen | ion and bu ural design nplement s dently. | uilding authority and building ph structural design | licensing. nysics princ | ciples an | d modes | of action i | |
| Contents: Building design: - Basic legal principles of building p - Construction drawings - Building structure and load-bearin - Structural stability - Basic principles of brickwork const - Walls used in brickwork construct - Walls used in brickwork construct - Walls used in wood construction - Soil and foundation systems - Structural waterproofing and drait - Ceiling and floor design Building physics: - Basic principles of building physic - Protection against heat and humi | ng systems truction ion nage syste | | | | | | | |
| Course attendance time (in manda | tory bours | - 1.\/S) | Workload (in h | | | | | |
| Prof. Dr. A. Breukelman (Building d | · · | 4 LVS | Workload (in h Course attenda | | Home | study | | |
| Prof. Dr. M. Deck (Building physics) | 0 / | 2 LVS | Lecture | 60 h | | e accompa | anving | |
| | | - | Exercise | 30 h | | am prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroom time | | 6 LVS | Total workload | d | | | | 180 h |
| Optional extra | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|---|--|---|------------------------------------|----------------|--------------|-------------|---------------------------|
| Bachelor of Wo | ood Engineering | Technical r | nechanics, | BH | l 1-4 | | 06.04.2021 |
| Study semester 1st semester | Offered in WS | stat | - | Credit 6 CP | ooints | | Semester week hours 4 SWS |
| Allocation to study All Can also be credite | specialization d to study program | Responsible for modul Prof. DrIng. Tho | | Lectu | ge of instru | | if applicable |
| Requirements acco | rding to examination regu | lations | Recommended prei | requisites | | | |
| Study/examination Written exami | achievements/ examinati nation (K2) | on types | If applicable, weigh | ting of the s | tudy/exam | ination ach | ievements |
| Module objectiv | ves/desired learning | outcomes: | | | | | |
| - They are prof - They are able | confident in their use icient with respect to to model the structu to model the structu | o the simplest basic aral system of simple | principles and me e structures. | - | - | | |
| - Forces, mome - Equilibrium a | entum and force syst | ems | | | | | |
| Stability of rig Basic termino Method of se | id bodies logy used in structur ctions, shear diagram es, internal force var | 1 | | | plicatio | ı | |
| | | | 1 | | | | |
| | n ce time (in mandat homas Wedemeier | ory hours - LVS) 4 LVS | Workload (in ho Course attendar | | Homes | study | |
| דוט. וטוווון. ו | | - | t | 60 h | | accompa | anying |
| | | - | Exercise Other | | | am prepa | |
| Total classroon | n time | 4 LVS | Total workload | | | | 180 h |
| Optional extra | | | I | | | | |
| Literature is listed in Stu | d.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|--|--------------------------|-------------------|-----------------------|------------------|---------------------------|
| Bachelor of Wood Engineer | ^{ing} Key qual | ifications | BH | 1-6 | | 01.09.2018 |
| Study semesterOffered in1st semesterWS | | | Credit p 3 CP | oints | I | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modul | | | teaching, re and e | | if applicable |
| Can also be credited to study progra | Prof. Dr. Frank Pr | екшпкеі | | ge of instru | | |
| - | | [| Germ | an | | |
| Requirements according to examina | ation regulations | Recommended pr | rerequisites | | | |
| Study/examination achievements/ | | If applicable, weig | ghting of the st | udy/exam | ination ach | ievements |
| Student research paper with | h colloquium | | | | | |
| Module objectives/desired l | earning outcomes: | | | | | |
| Students are aware of the d They are able to prepare pro They are able to create post They are aware of the desig | esentations targeted to spe ers with a color plotter. | cific audiences. | | | | |
| Basic principles of presentat Slides and poster design Preparing presentations, sta Delivering presentations Post-presentation analysis Rhetoric Examples of presentations f | ge fright | nd university, jo | ob applicatio | on | | |
| | | 1 | | | | |
| Course attendance time (in | | Workload (in | - | Home | -+ , , , , , , | |
| Teaching assistant | 2 LVS | Course attend Lecture | ance time 20 h | Home s | study accompa | anving |
| | | Exercise | 10 h | | am prepa | |
| Total classroom time | - 2 LVS | Other Total workloa | d | | | 90 h |
| Optional extra | 2 LVJ | | | | | |
| Literature is listed in Stud.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|----------------------|----------------------------|------------------|-------------|--------------|---------------------------|
| Bachelor of Wood Engineering | Wood to | echnology | BH | l 1-7 | | 01.09.2018 |
| Study semester Offered in 1st semester WS | | | Credit p 3 CP | points | 1 | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modu | le | Type of | teaching, | group size, | if applicable |
| All Can also be credited to study program | N.N. | | Langua | ge of instr | uction | |
| - | | 1 | Germ | | | |
| Requirements according to examination reg | ulations | Recommended pr | rerequisites | | | |
| Study/examination achievements/ examination | tion types | If applicable, weig | ghting of the s | tudy/exan | nination ach | lievements |
| Written examination (K1) | | | | | | |
| - | | | | | | |
| Module objectives/desired learning | g outcomes: | | | | | |
| They will be able to explain the wo types of wood in practice. | od technological pro | operties based o | n the struc | ture and | l select ar | id apply different |
| Forest, timber harvesting, eco-cycle European and tropical types of woo Wood anatomy Structure of a wood cell Tasks of a wood cell Types of cells Wood growth Wood properties based on the stru | od, differences | | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in | hours) | | | |
| Teaching assistant | 2 LVS | Workload (in Course attend | | Home | study | |
| | - | Lecture | 20 h | Course | accompa | |
| | - | Exercise | | and ex | am prepa | aration 60 h |
| Total classes and time | - | Other Total worklos | 10 h | | | |
| Total classroom time Optional extra | 2 LVS | Total workloa | u | | | 90 h |
| Literature is listed in Stud.IP | | | | | | |

| Allocation to course of study | Module name | | Course cod | le Internal | Last updated |
|---|--|---|-----------------------------|---------------------|---------------------|
| Bachelor of Wood Engineering | ^g Wood const | ruction proje | H BH 2 | 2-1 | 01.12.2018 |
| Study semester Offered in | | 1 | Credit poin | its | Semester week hours |
| 2nd semester SS Allocation to study specialization | Responsible for mo | - dule | 6 CP | aching, group size, | 4 SWS |
| Structural wood engineering | | nomas Wedemeier | | | ervision in groups |
| Can also be credited to study program | 1 | | | of instruction | |
| - Requirements according to examination | on regulations | Recommended prer | German equisites | | |
| | | | | | |
| Study/examination achievements/ exa | | If applicable, weight | ing of the study | y/examination ach | ievements |
| Project work with colloquium | | | | | |
| - Iodule objectives/desired lea | rning outcomes: | | | | |
| Toulle objectives/ desired lea | ining outcomes. | | | | |
| The students acquire knowled | | of a design and dra | wing repres | entation of a s | imple project base |
| on a wood frame constructior | | | | | |
| They should be able to indepe | | | | | - |
| recognize the structural, desig | | | - · · | equirements o | f timber frame |
| construction using the examp | le of a simple building p | project, in the overa | ll context. | | |
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| ontents: | | | | | |
| | g | | | | |
| - Execution and detail plannin | - | ils of the building. | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
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| Execution and detail plannin Development and drawing o | f the construction detai | | | | |
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| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| Execution and detail plannin Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o | f the construction detai | | | | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification | f the construction detai s of protection against o | dampness | ours) | | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification: | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in ho | | ome study | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification | f the construction detai s of protection against o | dampness Workload (in ho Course attendar | nce time H | ome study | anving |
| Contents: - Execution and detail plannin - Development and drawing o - Calculations and verifications - Calculations and verifications - Course attendance time (in m Prof. Dr. Th. Wedemeier | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in horizon for the second sec | nce time H | ourse accompa | |
| - Execution and detail plannin - Development and drawing o - Calculations and verification: | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in ho Course attendar Lecture Exercise | nce time H 10 h Co ar | | |
| - Execution and detail plannin - Development and drawing o - Calculations and verifications - Course attendance time (in m Prof. Dr. Th. Wedemeier | andatory hours - LVS) 4 LVS | dampness Workload (in horizon for the second sec | nce time H | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Total classroom time | f the construction detai s of protection against o andatory hours - LVS) | dampness Workload (in ho Course attendar Lecture Exercise | nce time H 10 h Co ar | ourse accompa | |
| - Execution and detail plannin - Development and drawing o - Calculations and verifications - Course attendance time (in m Prof. Dr. Th. Wedemeier | andatory hours - LVS) 4 LVS | dampness Workload (in horizon for the second sec | nce time H 10 h Co ar | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Fotal classroom time | andatory hours - LVS) 4 LVS | dampness Workload (in horizon for the second sec | nce time H 10 h Co ar | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Fotal classroom time | andatory hours - LVS) 4 LVS | dampness Workload (in horizon for the second sec | nce time H 10 h Co ar | ourse accompa | iration 120 h |
| Execution and detail plannin Development and drawing o Calculations and verifications Course attendance time (in m Prof. Dr. Th. Wedemeier Fotal classroom time | andatory hours - LVS) 4 LVS | dampness Workload (in horizon for the second sec | nce time H 10 h Co ar | ourse accompa | iration 120 h |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|--|--|--|--|---------------------------|----------|-----------------------|------------------------------|
| Bachelor of Wo | ood Engineering | Building co | onstruction, | BH | 2-3 | | 01.09.2018 |
| Study semester 2nd semester | Offered in SS | _ | physics 2 | Credit p 6 CP | oints | | Semester week hours 6 SWS |
| Allocation to study s Structural wood Can also be credited | engineering | Responsible for modu Prof. Dr Ing. Alfi | | Lectu | re/exer | cise | if applicable |
| Requirements accor | rding to examination regu | lations | Recommended prei Successful com | requisites | | | |
| Study/examination Written examin | achievements/ examinati nation (K2) | on types | If applicable, weigh | - | | nination ach | ievements |
| Module objectiv | ves/desired learning | outcomes: | | | | | |
| basic principles - They acquire I - They develop and discuss the - They develop building and co - They are able | ire knowledge of the of building physics. knowledge about sta the ability to recogn m across different d the ability to indepe nstruction tasks in c to apply design rules to independently pr | indardization and bi ize structural desigr isciplines. ndently implement ontext. s independently. | uilding authority I n and building phy structural design | licensing. ysics princ | iples an | d modes | of action in context |
| Sloped roofs Flat roofs Windows and Stairways Building physics Protection again | g construction e construction, wood doors s: | den panel construct | ion | | | | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in ho | ours) | | | |
| | ukelman (Building de | | Course attenda | | Home | | |
| Prof. Dr. M. De | ck (Building physics) | 2 LVS - | Exercise | 60 h 30 h | | e accompa am prepa | |
| Total classroom | time | 6 LVS | Other Total workload | | | | 180 h |
| Optional extra | | | · | | | | |
| is listed in Stud | J.IP | | | | | | |

| Allocation to course of stu | ιdγ | Module name | | Course | code | Internal | Last updated |
|---|--|---|---------------------------------------|---------------------------------------|-------------|--------------|---------------------|
| Bachelor of Wood E | ngineering | Technical n | nochanics | BH | 2-4 | | 06.04.2021 |
| Study semester Offe | ered in | | - | Credit p | oints | | Semester week hours |
| 2nd semester SS | | stat | | 6 CP | | | 6 SWS |
| Allocation to study specia Structural wood engin | | Responsible for modul Prof. DrIng. Tho | | Type of Lectu | | group size, | if applicable |
| Can also be credited to stu | udy program | 0 | - | | ge of instr | uction | |
| - | | | | Germ | an | | |
| Requirements according t | o examination regu | lations | Recommended prere BH 1-4, Static 1 | quisites | | | |
| Study/examination achiev | vements/ examination | on types | If applicable, weightir | ng of the st | udy/exam | nination ach | ievements |
| Written examination | n (K2) | | | | | | |
| Module objectives/d - Students are able t - They acquire skills - They are able to as - They acquire the p | to assess the sta for determining sess the load-be | te of forces of static the internal stress earing capacity of st | of parts of the stru ructures. | cture. | | oad-beari | ng structures. |
| Reaction forces, inf Stresses, strain, slid Determination of a Determination of n Determination of s Stresses in case of | ding, material la rea values of cro ormal stresses d hear stresses du | ws oss-sections used in due to bending mor ie to shear forces ar | construction (cen nents and normal | ter of gra | avity, m | oments o | f area,) |
| Course attendance t | ime (in mandate | ary bours 11/S) | Markland (in ho) | | | | |
| Course attendance t Prof. DrIng. Thoma | | 6 LVS | Workload (in hou Course attendand | · · · · · · · · · · · · · · · · · · · | Home | study | |
| יוטידי אוויי. וע אוויי. וע אוויי | | - | | 0 h | | accompa | anving |
| | | | Exercise | • • • | | am prepa | |
| | | | Other | | | | |
| Total classroom time | 2 | 6 LVS | Total workload | | | | 180 h |
| Optional extra | | 0 2 4 3 | | | | | 100 11 |
| Literature is listed in Stud.IP | | | | | | | |

| | | Course | code | Internal | Last update | ed |
|---|--|---------------------|------------------------------|---|---|------------------------------------|
| | CAD-1 | BH | 2-9 | | 14.03.20 | 19 |
| | | Credit p | oints | | Semester v | veek hours |
| Responsible for m | odule | 6 CP | teaching | group size, i | 4 SWS | |
| | Volker Krämer | | | integrated | | 5 |
| 11011 011 1118 | | | ge of instr | - | | - |
| | | Germ | an | | | |
| on regulations | Recommended | prerequisites | | | | |
| amination types colloquium | If applicable, w | reighting of the st | udy/exam | nination achi | evements | |
| rning outcomes: | | | | | | |
| of digital tools in their CAD system in the fie al and practical basic (e 3D wooden structur and lists on the basis c | eld of timber cons CAD knowledge. res. | truction. | | | | |
| x 3D wood structures ections representations and c output for lists and din patial structure of his o production of the stru | of assembly plans nensioned single or her own choice | part drawings | | it all the p | lanning | |
| | | | | | | |
| | Workload (in | n hours) | | | | |
| andatory hours - LVS) | Course atter | ndance time | | | | |
| andatory hours - LVS) 4 LVS | | 60 h | | - | | |
| | Lecture | | and ex | am prepai | ration | 120 h |
| | Lecture Exercise | | | | | |
| | | | | | | |
| andatory | 4 LVS | - Lecture | - Lecture 60 h - Exercise | - Lecture 60 h Course - Exercise and ex | - Lecture 60 h Course accompa - Exercise and exam prepare | - Lecture 60 h Course accompanying |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|--|---|---------------------------|--------------------|-------------|---------------------------|
| Bachelor of Wood Engineeri | wood as | a building | BH | 2-12 | | 24.08.2018 |
| Study semesterOffered in2nd semesterSS | mat | • | Credit p 3 CP | ooints | | Semester week hours 2 SWS |
| Allocation to study specialization Structural wood engineering | Responsible for modul | | | | group size, | if applicable |
| Can also be credited to study progra | Prof. DrIng. Volk | ker Kramer | Lectu | re ge of instru | uction | |
| - | | - | Germ | | | |
| Requirements according to examination | tion regulations | Recommended provided Provided | | | | |
| Study/examination achievements/ e | xamination types | If applicable, weig | hting of the st | udy/exam | ination ach | ievements |
| Written examination (K1) - | | | | | | |
| Module objectives/desired le | arning outcomes: | | | | | |
| Students • learn about wood and woo • learn about the mechanica • learn how to sort construct • learn how to independentl • learn about the manufactu | l strength and damage me tion timber according to th y evaluate the stiffness, str | e normative prinength and dura | nciples. bility of str | | imber. | |
| Contents: • Wood anatomy/wood form • Wood characteristics/mech • Durability of structural tim • Wood physics • Strength grading of structur • Cut timber/solid wood pro • Glued laminated timber • Lab exercise | nanical properties of struct ber ral timber | ural timber | | | | |
| Course attendance time (in r | nandatory hours - LVS) | Workload (in h | nours) | | | |
| Prof. Dr. V. Krämer | 2 LVS | Course attenda | | Home | studv | |
| | - | Lecture | 30 h | | accompa | anying |
| | - | Exercise | | | am prepa | |
| | - | Other | | | | |
| Total classroom time Optional extra | 2 LVS | Total workload | d | | | 90 h |
| Literature is listed in Stud.IP | | | | | | |

| Bachelor of Wood Enginee Study semester Offered in 2nd semester SS | | | Course | code | Internal | Last updated |
|--|--|---|----------------------|--------------|-------------|------------------------|
| 1 | Engineer | ing compute | r BH | 2-14 | | 14.03.2019 |
| | - | cience | Credit p | oints | | Semester week hou |
| Allocation to study specialization | Responsible for m | | 3 CP | teaching. | group size. | 2 SWS if applicable |
| Structural wood engineering | Prof. DrIng. \ | | Lectu | | 0 | |
| an also be credited to study prog | gram | | | ge of instru | uction | |
| - Requirements according to exami | nation regulations | Recommended p | Germ rerequisites | dli | | |
| | | | | / | | |
| tudy/examination achievements Written examination (K1) | / examination types | If applicable, wei | ghting of the si | udy/exam | ination ach | levements |
| - | | | | | | |
| Iodule objectives/desired | learning outcomes: | | | | | |
| Students | | | | | | |
| are able to take advanta | ge of digital tools in their | working environm | ent. | | | |
| are familiar with basic te | | - | ent. | | | |
| know common construct | | - | rd engineer | ing tasks | | |
| know the structure of us | | | | | | |
| know that results of com | puter-aided calculations | must be subjected | to critical se | crutiny. | | |
| • can solve engineering ta | | | | | - | |
| know the basics of a property | gramming language. | | | | | |
| are able to read and deb | ug program code. | | | | | |
| are familiar with basic al | - | | | | | |
| understand the meaning | and application of object | -oriented program | nming. | | | |
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| ontents: | | | | | | |
| Presentation of software | solutions for standard er | gineering tasks | | | | |
| Criteria for the selection | | | | | | |
| short presentation of FEI | | | ution | | | |
| Introduction to a spread | sheet program | | | | | |
| Introduction to a program | mming language | | | | | |
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| | | | h a | | | |
| Course attendance time (in | | Workload (in | | Home | study | |
| | n mandatory hours - LVS) 2 LVS - | Course attend | lance time | Home | | anving |
| C ourse attendance time (in DiplIng. C. Seifart | | Course attend Lecture | | Course | accompa | |
| | | Course attend | lance time | Course | | |
| | | Course attend Lecture Exercise | lance time 30 h | Course | accompa | |
| DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | lance time 30 h | Course | accompa | ration 60 h |
| DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | lance time 30 h | Course | accompa | ration 60 h |
| DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | lance time 30 h | Course | accompa | ration 60 h |

| Allocation to course of study | Module name | | Course | code | Internal | Last updat | ed |
|---|--|------------------------------------|---------------|-------------|--------------|------------------------------|------------|
| Bachelor of Wood Engineering | | | . BH | 3-1 | | 01.12.20 | |
| Study semester Offered in | Wood constr | uction projec 2 | Ct Credit p | - | | | week hours |
| 3rd semester WS | | | 6 CP | | | 4 SWS | |
| Allocation to study specialization Structural wood engineering | Responsible for modu Prof. DrIng. The | | | | | if applicable ervision in | |
| Can also be credited to study program | | mas weacherer | - | ge of instr | | | 8.0000 |
| - | | | Germ | an | | | |
| Requirements according to examination re | egulations | Recommended prer | equisites | | | | |
| Study/examination achievements/ examin Project work with colloquium | ation types | If applicable, weight | ing of the st | udy/exan | nination ach | ievements | |
| Module objectives/desired learni | ng outcomes: | | | | | | |
| construction. In the process, they will acquire k familiar with production and man | - | - | - | - | uilding de | sign and b | pecome |
| Development of the final buildin representation of the structural Preparation of position plans as Development and drawing of th execution (execution planning) | draft (draft planning well as static calculat | g) tion and dimension | ning (perr | nit plan | ning) | | raphic |
| Course attendance time (in mand | atory hours - 11/S) | Workload (in he | | | | | |
| Prof. Dr. Th. Wedemeier | 6 LVS | Workload (in ho Course attendar | | Home | studv | | |
| | - | 1 | 10 h | | accompa | anying | |
| | - | Exercise | | | am prepa | | 120 h |
| | - | Other | 50 h | | | | |
| Total classroom time | 6 LVS | Total workload | | | | | 180 h |
| Optional extra | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed |
|--|---|---|-------------------------------------|-----------------------------|---------------------|--------------------------|-------------------------|------------|
| Bachelor of Wo | ood Engineering | Wood en | gineering | BH | I 3-2 | | 23.08.20 |)18 |
| Study semester 3rd semester | Offered in WS | | Sincering | Credit p 6 CP | ooints | | Semester v 4 SWS | veek hours |
| Allocation to study | | Responsible for modul | | | | | if applicable | |
| Structural wood Can also be credited | | Prof. DrIng. Volk | ker Krämer | | ge of instru | exercises | | |
| - | | | | Germ | | | | |
| Requirements acco | rding to examination regu | lations | Recommended pr Wood as a bu | | erial | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weig | hting of the s | tudy/exam | ination ach | ievements | |
| Written examii - | nation (K2) | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| in accordance • learn to conn • are enabled t | dependently design e with standards. ect the components o apply timber const er these solution con | to each other in a for ruction-specific solu | orce-fit manner ution concepts f | using pin-s or simple ti | haped, r mber co | netallic fa nstructio | asteners. n projects | |
| Basic principl supports) Verification o risk of tilting Basic principl | objects, wood techn es for the dimension f the stability of buck es for the dimension es for the design and | ing of structural cor kling bars and bendi ing of pin-shaped fa | ing beams made isteners (e.g. ba | e of wood a r dowels, n | nd wood ails) | l-based m | | |
| | | | | | | | | |
| | nce time (in mandat | ory hours - LVS) | Workload (in h | - | | | | |
| Prof. Dr. V. Krä | mer | 4 LVS | Course attend | | Home | | | |
| | | - | Lecture | 40 h | | accompa | | 120 h |
| | | - | Exercise | 20 h | and exa | am prepa | ration | 120 h |
| Total elecene com | time | - | Other Total workloa | 4 | | | | 100 5 |
| Total classroom Optional extra | time | 4 LVS | Total workloa | a | | | | 180 h |
| Literature | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last update | ed |
|---|--|--|--|----------------------------|-------------------|--------------|---------------------|------------|
| Bachelor of Wo | ood Engineering | Planning to | echnology, | BH | 3-3 | | 09.07.20 | 18 |
| Study semester 3rd semester | Offered in WS | prefabr | | Credit p 6 CP | oints | | Semester v 4 SWS | veek hours |
| Allocation to study | | Responsible for modul | | | | | if applicable | |
| Structural wood | | Prof. DrIng. Volk | er Krämer | | act stud | | | |
| Can also be credited | a to study program | | | Germ | ge of insti an | ruction | | |
| Requirements acco | ding to examination regu | ulations | Recommended pr | erequisites | | | | |
| Study/examination | achievements/ examinat | ion types | If applicable, weig | hting of the st | udv/evar | nination ach | ievements | |
| Written examin | | ion types | | _ | | | | |
| - | , | | 1/2 Planning | technology | - 1/ Z P | relabricat | .1011 | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| are familiar w know that the can weigh up know the fun know the spa | with common roof, content e constructions have the advantages and ction of roof, ceiling tial interaction of part with preliminary plan | of construction for w eiling and wall const to meet static, strug disadvantages of w and wall panels. anels to brace buildir ning, draft planning, | ructions. ctural and produc orkshop produc ngs. | uction requ tion versus | constru | uction site | e productio | n. |
| Evaluation cri Evaluation cri Details of roo Information c Basic information o Breakdown o Application o Preparation c Basic information Basic information | teria for construction teria for material f, ceiling and wall co on the topics of elem tion on load transfe f costs according to f the HOAI (fee calcu f specifications tion on the building tion on planning reg | onstructions nents, manufacturing r and bracing DIN 276 llation for architects code | g, transport and and engineers) | assembly | ruction | | | |
| Course attenda | nce time (in mandat | tory hours - LVS) | Workload (in l | hours) | | | | |
| Teaching assist | | 2 LVS | Course attend | | Home | studv | | |
| DiplIng. C. Sei | | 2 LVS | Lecture | 60 h | | e accompa | anying | |
| | | - | Exercise | | | am prepa | | 120 h |
| | | - | Other | | | | | |
| Total classroom | time | 4 LVS | Total workloa | d | | | | 180 h |
| Optional extra | d.IP | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last update | ed |
|--|-----------------------|---------------------|----------------|-------------|--------------|---------------------|------------|
| Bachelor of Wood Engineering | Technical n | nechanics | BH | 13-4 | | 06.04.20 |)21 |
| Study semester Offered in 3rd semester WS | stat | - | Credit | points | | Semester v 4 SWS | veek hours |
| Allocation to study specialization | Responsible for modu | | | | | if applicable | |
| Structural wood engineering Can also be credited to study program | Prof. DrIng. Tho | mas Wedemeier | | ge of instr | | d exercise | |
| - | | | Germ | | | | |
| Requirements according to examination regu | lations | Recommended pro | | | | | |
| Study/examination achievements/ examinati | on types | If applicable, weig | hting of the s | tudy/exan | nination ach | ievements | |
| Written examination (K2) | | | | | | | |
| - | | | | | | | |
| Module objectives/desired learning | outcomes: | | | | | | |
| | | | | | | | |
| - Students are able to assess the de | | of load-bearing | structures | and to o | quantitati | vely | |
| determine deformation variables. | | | | | | | |
| They acquire skills for determining result of load and constraint actio | | ehavior of static | ally indete | rminate | structure | es as a | |
| - They are able to assess the influer | | on the load-bea | ring behav | vior. | | | |
| - They are able to assess the stabilit | | | - | | | | |
| - They understand the quantitative | | - | | nding to | orsion buc | kling load | s of |
| prismatic components. | | | | | | | |
| - They are able to analyze the beha | vior of supporting st | tructures under | mobile loa | ding. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Contents: | | | | | | | |
| | | | | | | | |
| - Solution of the differential equation | - | - | | | | | |
| Application of the working theore Determination of internal forces or | | | | | | | ations |
| - Checks of internal forces calculation | | | | i ioice ii | lagintuue | methous | |
| - Elastic stability of bar supports | , | | | | | | |
| - Determination of influence lines | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Course attendance time (in mandat | ory hours - LVS) | Workload (in h | ours) | | | | |
| Prof. DrIng. Thomas Wedemeier | 4 LVS | Course attenda | - | Home | study | | |
| | - | Lecture | 60 h | | e accompa | anying | |
| | - | Exercise | | - | am prepa | | 120 h |
| | - | Other | | | | | |
| Total classroom time | 4 LVS | Total workload | d | | | | 180 h |
| Optional extra | | | | | | | |
| | | | | | | | |
| Literature | | | | | | | |
| is listed in Stud.IP | | | | | | | |
| | | | | | | | |

| Allocation to course | of study | Module name | | Course | code | Internal | Last updated | k |
|---|--|---|---|--|---|--------------|--|----------|
| Bachelor of Wo | od Engineering | CA | D-2 | Bł | 3-5 | | 14.03.201 | 19 |
| Study semester 3rd semester Allocation to study Structural wood Can also be credited | engineering | Responsible for modu Prof. DrIng. V. K | le | Lectu | f teaching, a re with age of insta | integrate | Semester we 6 SWS if applicable d exercises | ek hours |
| - Requirements acco | ding to examination re | gulations | Recommended | Gern prerequisites | nan | | | |
| | 0 | | BH 2-9 CAD | | | | | |
| Study/examination Written examin | achievements/ examina nation (K2) | ation types | If applicable, w | eighting of the s | tudy/exar | nination ach | ievements | |
| Module objectiv | es/desired learnir | ng outcomes: | | | | | | |
| are able to ap learn in the a know the me know interfac know how to | pply many of the sp ccompanying lectu aning of e.g. layer f ces for data exchan extract and insert I the exercise are c | -1 on a 3D structure f pecial modules require re the theoretical bas technology, coordinat ge with other CAD or digital information fro poordinated in such a | ed in timber co sics of 2D and te systems and CAM systems om BIM mode | onstruction. 3D CAD/CAM d different el 5. els. | 1 system ement t | ıs. ypes. | he overall | |
| Working with Creating deta Generating la Creating para | a joinery program ils for the automat mella extension ar meterized 3D designery systems using | ic production of wall, nd press bed in glulam | , ceiling and ro construction | | | | | |
| | | | | | | | | |
| Course attenda Teaching assist | nce time (in manda | atory hours - LVS) 4 LVS | Workload (in Course atter | | Home | study | | |
| Teaching assist | | 2 LVS | Lecture | 90 h | | e accompa | anying | |
| 5 | | - | Exercise | | | am prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroom | time | 6 LVS | Total worklo | bad | | | | 180 h |
| Optional extra Literature is listed in Stud | J.IP | | | | | | | |

| Bachelor of Wood Engineering Wood construction project BH 4-1 01.12.2018 Study semester Offered in SS S Credit points Semester week hours Allocation to study specialization Responsible for module Type of teaching, group size, if applicable Project work with supervision in groups Can also be credited to study program Project work with supervision in groups Language of instruction - Requirements according to examination regulations Recommended prerequisites If applicable, weighting of the study/examination achievements/ examination types Project work with colloquium - If applicable, weighting of the study/examination achievements Project work with colloquium - - - - - - | Allocation to cours | e of study | Module name | | Course code | Internal | Last updated |
|--|--|--|--|--|---|---|--|
| Study semester Offered in SS Credit points Semester week hours 4th semester SS Allocation to study specialization A SWS Allocation to study specialization Responsible for module Type of teaching, group size, if applicable Structural wood engineering Prof. DrIng. Thomas Wedemeier Type of teaching, group size, if applicable Creating and the study program - Image of instruction - - Recommended prerequisites Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project work they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | Bachelor of W | ood Engineering | Wood construction | nroject | BH 4-1 | | 01.12.2018 |
| 4uit serifiester 35 - 6 CP 4 3w3 Allocation to study specialization Responsible for module Type of teaching, group size, if applicable Structural wood engineering Prof. DrIng. Thomas Wedemeier Type of teaching, group size, if applicable Can also be credited to study program - - - - - Recommended prerequisites Language of instruction German - - - - Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - - - - - - Addule objectives/desired learning outcomes: - - - Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. - They are enabled to develop their own learning strategies and conduct independent research. Within the project work they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | , | | | project | Credit points | | Semester week hours |
| Structural wood engineering Prof. DrIng. Thomas Wedemeier Project work with supervision in groups Can also be credited to study program - Canguage of instruction - - German Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project work they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | | | |
| Can also be credited to study program Language of instruction - Language of instruction Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Adule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wort they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | | | |
| - German Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium If applicable, weighting of the study/examination achievements - Addule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | Prof. DrIng. Thomas Wee | demeier | - | - | ervision in groups |
| Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Project work with colloquium - - - Aodule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | - Can also be credite | d to study program | | | | ruction | |
| Project work with colloquium - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | Requirements acco | rding to examination r | egulations Recomm | ended prereq | uisites | | |
| Project work with colloquium - Module objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussior | tudv/examination | achievements/ examin | lation types If applica | ble, weighting | of the study/exar | nination ach | ievements |
| Adule objectives/desired learning outcomes: Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | 5 of the study char | | |
| Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | - | | | | | | |
| Students should be able to independently design, construct, dimension, and draw the structural framework and structural details of a structurally challenging wooden building. They are enabled to develop their own learning strategies and conduct independent research. Within the project wor they develop their own team, conflict, facilitation and leadership skills and are also able to conduct project discussion | | | | | | | |
| | They are enabl they develop t | ils of a structurally ed to develop the heir own team, co | challenging wooden building. r own learning strategies and o nflict, facilitation and leadershi | p skills and | are also able t | o conduct | project discussion |
| | They are enabl they develop t in English. The Contents: | ils of a structurally ed to develop the heir own team, co project improves | challenging wooden building. r own learning strategies and on flict, facilitation and leadershi their motivation, professional o | p skills and | are also able t edness and agil | o conduct ity, as wel | project discussion l as their creativity |
| language) | They are enabl they develop t in English. The ontents: • Project mana language) | ils of a structurally ed to develop the heir own team, co project improves gement with spec | al consideration of interdiscipl | p skills and open-minde | are also able t edness and agil | o conduct ity, as wel | project discussion l as their creativity |
| language) • Design and comparison of structural systems in terms of aesthetics, wood construction, statics and economics | They are enabl they develop t in English. The ontents: • Project mana language) • Design and co | ils of a structurally ed to develop the heir own team, co project improves gement with spec | challenging wooden building. r own learning strategies and o nflict, facilitation and leadershi heir motivation, professional o al consideration of interdiscipl tural systems in terms of aesth | p skills and open-minde | are also able t edness and agil | o conduct ity, as wel | project discussion l as their creativity |
| language) Design and comparison of structural systems in terms of aesthetics, wood construction, statics and economics Structural design of the selected structure | They are enabl they develop t in English. The Contents: • Project mana language) • Design and co • Structural de | ils of a structurally ed to develop the heir own team, co project improves gement with spec omparison of struct sign of the selecte | challenging wooden building. r own learning strategies and o nflict, facilitation and leadershi heir motivation, professional o al consideration of interdiscipl tural systems in terms of aesth d structure | p skills and open-minde linary and in netics, wood | are also able t edness and agil ntercultural asp d construction, | o conduct ity, as wel pects (proj statics an | project discussion l as their creativity |
| Project management with special consideration of interdisciplinary and intercultural aspects (project language) Design and comparison of structural systems in terms of aesthetics, wood construction, statics and economics Structural design of the selected structure Processing of the service phases of preliminary planning, draft, permit and execution planning Proposals and plans for the manufacture, prefabrication and assembly of the building, as well as the choice of buildi materials | They are enable they develop t in English. The Contents: • Project mana language) • Design and co • Structural de • Processing of • Proposals and | ils of a structurally ed to develop the heir own team, co project improves gement with spec omparison of struct sign of the selecte the service phase | challenging wooden building. r own learning strategies and on inflict, facilitation and leadershi their motivation, professional of al consideration of interdiscipl tural systems in terms of aesth d structure s of preliminary planning, draft | ip skills and open-minde linary and ir netics, wood t, permit an | are also able t edness and agil ntercultural asp d construction, ad execution pla | o conduct ity, as wel pects (proj statics an anning | project discussion l as their creativity ject d economics |

- Considerations for optimizing the economy/cost of the selected design
- Preparation of the contract awarding
- Presentation of milestone-specific results of project processing in English

| Course attendance time (in mandat | ory hours - LVS) | Workload (in | n hours) | | |
|-----------------------------------|------------------|--------------|-------------|----------------------|-------|
| Prof. Dr. Th. Wedemeier | 6 LVS | Course atter | ndance time | Home study | |
| | - | Lecture | 10 h | Course accompanying | |
| | - | Exercise | | and exam preparation | 120 h |
| | - | Other | 50 h | | |
| Total classroom time | 6 LVS | Total worklo | bad | | 180 h |
| | | | | | - |
| Optional extra | | | | | |
| Optional extra | | | | | |
| Optional extra | | | | | |

is listed in Stud.IP

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | |
|--|--|-----------------------------------|-----------------|-----------------------------------|---------------|---------------------|--|--|--|
| Bachelor of Wood Engineering | | | | 14-2 | | 01.09.2018 | | | |
| Study semester Offered in | Drywall | ing and | Credit | | | Semester week hours | | | |
| 4th semester SS | finishing co | nstruction | 6 CP | | | 4 SWS | | | |
| Allocation to study specialization | Responsible for modu | le | | - | if applicable | | | | |
| All | N.N. | | | re/exer | | | | | |
| Can also be credited to study program | | | | Language of instruction German | | | | | |
| Requirements according to examination regu | ulations | Recommended pr | | | | | | | |
| Study/examination achievements/ examinat | | If applicable, weig | ghting of the s | tudy/exar | nination ach | ievements | | | |
| Student research paper with colloc - | luium | | | | | | | | |
| Module objectives/desired learning | outcomes: | 1 | | | | | | | |
| Knowledge of materials, types of a Knowledge of soundproofing and Ability to develop an execution ar design interrelationships and dependently prepare a Ability to independently prepare a | fire safety for interind d detailed design pl ndencies | or finishing Ian taking into a | | | | _ | | | |
| Contents: - Materials in drywall and finishing - Wall, ceiling and floor design - Designs with special requirements - Development of a finishing plan a | | ail planning with | nin the scop | e of a p | ractical p | roject | | | |
| Course attendance time (in mandat | tory hours - LVS) | Workload (in l | hours) | | | | | | |
| Prof. Dr. A. Breukelman | 4 LVS | Course attend | | Home | study | | | | |
| | - | Lecture | 30 h | | e accompa | anying | | | |
| | - | Exercise | 30 h | | am prepa | | | | |
| | - | Other | | | | | | | |
| Total classroom time | 4 LVS | Total workloa | d | ı <u> </u> | | 180 h | | | |
| Optional extra | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | |
|---|-----------------------|--|-------------------------|-----------------|--------------|------------------------------|--|--|--|
| Bachelor of Wood Engineering | Wood e | ngineering | BH | 4-3 | | 03.07.2018 | | | |
| Study semester Offered in 4th semester SS | | 0 0 | Credit p 6 CP | oints | | Semester week hours 6 SWS | | | |
| Allocation to study specialization | Responsible for mode | ule | | teaching | group size, | if applicable | | | |
| Structural wood engineering | Prof. DrIng. Vo | | | Contact studies | | | | | |
| Can also be credited to study program | | | Language of instruction | | | | | | |
| - Requirements according to examination reg | | German Recommended prerequisites | | | | | | | |
| Requirements according to examination reg | gulations | Wood engine | | 2 | | | | | |
| Study/examination achievements/ examina | tion types | If applicable, weig | hting of the s | udy/exan | nination ach | ievements | | | |
| Written examination (K2) | | 2/3 Wood engineering - 1/3 Wood paneling | | | | | | | |
| Module objectives/desired learnin | g outcomes: | | | | | | | | |
| | | | | | | | | | |
| Students learn further joining techniques in | timbor construction | a and how to yor | ify thom in | accorda | nco with | standards | | | |
| Students are also able to determin | | | | | | | | | |
| buckling lengths. | | i lanyaras ana tri | e innuenee | or com | | | | | |
| Students learn how to determine i | internal forces on co | omposite membe | ers (rigid an | d yieldir | ng) and ho | w to verify | | | |
| composite members. | | | | | | | | | |
| They learn to design and verify lar | • | | non-paralle | el compo | onent edg | es. | | | |
| They are familiar with the load-be They are able to calculate woode | - | | choor field | | | | | | |
| - They can carry out the structural | - | | | ording t | o the Fur | opean design | | | |
| standard. | survey and serviced | | | or ann b | | opean design | | | |
| - They know about the necessary s | storage conditions a | nd the interactio | n of woode | n panel | s. | | | | |
| - They can plan and calculate the s | | | | | | | | | |
| - They are familiar with several for | ms of construction of | of wooden panel | S. | | | | | | |
| Contents: | | | | | | | | | |
| Methods of joining in carpentry | | | | | | | | | |
| Specially designed dowels | | | | | | | | | |
| • Screws | | | | | | | | | |
| Yielding of connections | | | | | | | | | |
| Bending resistant connections, s Composite components | pring stiffnesses | | | | | | | | |
| Pitched roof girders | | | | | | | | | |
| Saddle roof girders (straight / culture) | rved bottom chord) | | | | | | | | |
| | | | | | | | | | |
| • Calculating the internal and exte | • | | anels | | | | | | |
| Explanation of the design rules b Static verifications for wall, ceiling | • | tandardization | | | | | | | |
| Calculation of the deformation of the deformat | | | | | | | | | |
| Calculation of bracing systems | i wooden panels | | | | | | | | |
| 0, | | | | | | | | | |
| | | 1 | | | | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in l | hours) | | | | | | |
| Prof. Dr. V. Krämer | 4 LVS | Course attend | 1 | Home | | | | | |
| DiplIng. C. Seifart | 2 LVS | Lecture | 90 h | | e accompa | | | | |
| | - | Exercise Other | | and ex | am prepa | | | | |
| Total classroom time | - 6 LVS | Total workloa | d | | | 180 h | | | |
| Optional extra | 0 LV3 | | ч | | | 10011 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Literature | | | | | | | | | |
| is listed in Stud.IP | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | |
|---|---|--|--------------------------------|--|----------------------------|-----------------------|-----------------------|-----------|--|
| Bachelor of Wo | ood Engineering | Solid con | struction, | BH | 4-4 | | 01.06.2021 | 1 | |
| Study semester 4th semester | Offered in SS | | chnics | Credit p 6 CP | ooints | | Semester wee 6 SWS | ek hours | |
| Allocation to study | | Responsible for modul | | | | , group size, | if applicable | | |
| Structural wood Can also be credited | | Prof. DrIng. Mic | hael Hansen | Lectu | i re ge of insti | ruction | | | |
| - | | | German | | | | | | |
| Requirements accor | rding to examination regu | lations | Recommended pr Static 1 - 3 | rerequisites | | | | | |
| | achievements/ examinat | on types | If applicable, weig | ghting of the s | tudy/exar | nination ach | ievements | | |
| Written examir | nation (K2) | | | | | | | | |
| Module objectiv | es/desired learning | outcomes: | | | | | | | |
| Solid construct | ion: | | | | | | | | |
| | the basic principles | of reinforced concre | ete design in un | cracked and | d cracke | d conditio | ons. They are | e able to | |
| | s-section design und | | - | | | - | - | | |
| | on the basis of this. | | | | | | | | |
| | al reinforcement req | | | ow to desig | | VUIK STIUC | lures and no | | |
| | | | | | | | | | |
| Geotechnics: | | | | | | | | | |
| | a basic working knov o understand a subs | - | | | ndation | | co havo a ha | sic | |
| - | eep foundations and | | - | shallow lou | nuation | is. They al | SU Have a Da | SIC | |
| Contents: | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| Basic principle Dimensioning | on (reinforced conc es of bending and sh and construction of nd basics of reinforc | ear force design of r standard structural | | - | | ned ceiling | gs,) | | |
| Design rules a | | ement design | | | | | | | |
| | on (brickwork const | | | | | | | | |
| - | rials and load-bearin | - | vork | | | | | | |
| - Basic principle | es in the design of br | ickwork structures | | | | | | | |
| Geotechnics: | | | | | | | | | |
| | soils as well as meth | | | | | | | | |
| - Classification | of soils according to | various criteria and | determination | of relevant | soil me | chanical p | roperties | | |
| - - Load-bearing | behavior of the subs | oil and measures fo | r subsoil improv | vement | | | | | |
| - | ecuring the excavation | | | | | | | | |
| | | | 1 | | | | | | |
| | nce time (in mandat | | Workload (in | - | | | | | |
| | abil. M. Hansen | 4 LVS | Course attend | 1 | Home | - | | | |
| Prof. DrIng. G | . Maybaum | 2 LVS | Lecture | 90 h | | e accompa am prepa | | 90 h | |
| | | - | Exercise Other | | | | | | |
| Total classroom | time | 6 LVS | Total workloa | id in the second | | | 1 | 180 h | |
| Optional extra | | | 1 | | | | 1 - | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Literature is listed in Stud | | | | | | | | | |
| | J.IF | | | | | | | | |
| | | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | |
|--|--|--|-------------------------------|-------------|--------------|-----------------------------|----|
| Bachelor of Wood Engineering | Surv | eying | BH | I 4-5 | | 01.09.2018 | |
| Study semester Offered in 2nd semester SS | | -78 | Credit p 6 CP | ooints | 1 | Semester week hour 6 SWS | rs |
| Allocation to study specialization Structural wood engineering | Responsible for modu | | Type of | teaching, | group size, | if applicable | |
| Can also be credited to study program | Prof. DrIng. Axe | l Stodter | Langua | ge of instr | uction | | |
| - | | | Germ | ian | | | |
| Requirements according to examination regu | ulations | Recommended pr | rerequisites | | | | |
| Study/examination achievements/ examinat | ion types | If applicable, weig | ghting of the s | tudy/exam | nination ach | ievements | |
| Student research paper without co | lloquium | | | | | | |
| - Module objectives/desired learning | outcomes: | | | | | | |
| Students will independently apply a below using concrete and practical evaluations of professional practice accuracies and increase them, if ne with special reference to the projec as well as for inventories for redeve | examples and comp e. They should be ab cessary. They are to ct study in the field o | oile or map and le to estimate r acquire practic | draw equired al knowled | - | | | |
| Basic principles of surveying Building survey Staking out buildings Leveling Recording the profile Determining area and mass Trigonometry, introduction to tac Routing elements for road construction | | ne, tachymetric | survey | | | | |
| Course attendance time (in mandat | tory hours - LVS) | Workload (in | hours) | | | | |
| Prof. Dr. A. Stödter | 6 LVS | Course attend | | Home | study | | |
| DiplIng. S. Wethkamp | 4 LVS | Lecture | 30 h | Course | accompa | | |
| | - | Exercise | 60 h | and ex | am prepa | ration 90 h | |
| Total classroom time | - 10 LVS | Other Total workloa | d d | | | 180 h | |
| Optional extra | 10100 | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | cation to course of study Module name | | | Course code | Internal | Last updated | | | |
|---|---------------------------------------|---|--|-------------------|---------------|---------------------|--|--|--|
| Bachelor of Wood Engineering | | Wood constru | Wood construction project | | | 01.12.2018 | | | |
| Study semester | Offered in | л — — — — — — — — — — — — — — — — — — — | | Credit points | | Semester week hours | | | |
| 5th semester | WS | | + | 6 CP | | 4 SWS | | | |
| Allocation to study specialization Responsible for module | | e | Type of teaching, | group size, | if applicable | | | | |
| Structural wood engineering Prof. DrIng. Tho | | mas Wedemeier Project work with supervision in grou | | | | | | | |
| Can also be credited | d to study program | | | Language of instr | uction | | | | |
| - | | | | German | | | | | |
| Requirements accor | rding to examination regu | ulations | Recommended prerequisites | | | | | | |
| | | | | | | | | | |
| Study/examination | achievements/ examinat | ion types | If applicable, weighting of the study/examination achievements | | | | | | |
| Project work with colloquium | | | | | | | | | |
| - | | | | | | | | | |
| | | | | | | | | | |

Module objectives/desired learning outcomes:

Students are to acquire in-depth and comprehensive knowledge (LP 1 - 6) within the scope of planning timber structures for new buildings as well as for existing buildings. On the one hand, the students are to independently develop an overall concept for the new construction of a structure made of wood, with special consideration for a specific utilization concept. On the other hand, the students are to deal with the special features of construction in existing buildings by being given a construction task on an existing building. The respective supporting structures are to be designed, constructed, dimensioned, depicted in drawings, assessed in terms of construction costs and prepared for the invitation to tender in the form of service specifications. They are enabled to develop their own learning and work strategies and to conduct independent research to successfully complete complex planning tasks.

Within the project work they develop their own team, conflict, facilitation and leadership skills. They are also able to conduct project discussions in English. In addition, the project improves their motivation, professional open-mindedness and agility, as well as their creativity.

Contents:

• Development, set-up and operation of a project management system for the respective sub-projects with special consideration of a quality-oriented, on-time and efficient project processing (quality, deadlines, costs)

- Complete draft (LP 1 6) of a new building in timber construction taking into account a special concept of use
- Complete draft (LP 1 6) of a timber construction within the scope of a conversion/extension or modernization measure (construction in existing buildings)
- Detailed design of the structures, justification of the choice of building materials
- Detailed description of the manufacturing, prefabrication and assembly process
- Determination of construction costs in the degree of accuracy of a cost calculation (DIN 276)
- Presentation of ways to optimize the economic efficiency of the designs in the investment and operation phases
- Processing of work phases 1 to 6 according to HOAI

| Course attendance time (in mandatory hours - LVS) | | Workload (in hours) | | | | | |
|---|-------|---------------------|-----------------------------------|----------------------|-------|--|--|
| Prof. Dr. Th. Wedemeier | 6 LVS | Course atte | Course attendance time Home study | | | | |
| | - | Lecture | 10 h | Course accompanying | | | |
| | - | Exercise | | and exam preparation | 120 h | | |
| | - | Other | 50 h | | | | |
| Total classroom time | 6 LVS | Total workl | orkload | | | | |
| Optional extra | • | | | | | | |
| | | | | | | | |
| | | | | | | | |

Literature

is listed in Stud.IP

| Allocation to course of study Module name | | | Course code | Internal | Last updated | | | | |
|---|--------------------------------------|------------------------|--|-------------------------|---|---------------------|--|--|--|
| Bachelor of Wo | Bachelor of Wood Engineering Practic | | actical training phase | | | 01.06.2021 | | | |
| Study semester | Offered in WS | | | Credit points | | Semester week hours | | | |
| 6th semester | + SS | | | | | n/a | | | |
| Allocation to study s | specialization | Responsible for module | | Type of teaching, | Type of teaching, group size, if applicable | | | | |
| All Prof. Dr. Ing. Mari | | | io Hanusrichter | Pre- and post | -seminar | , practical phase | | | |
| Can also be credited to study program | | | Language of instr | Language of instruction | | | | | |
| - | | | German | | | | | | |
| Requirements accor | ding to examination regu | lations | Recommended prerequisites | | | | | | |
| All CP from 1st | and 2nd semester, a | further 45 CP from | | | | | | | |
| semesters 3 to | 5 | | | | | | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weighting of the study/examination achievements | | | | | | |
| Seminar paper | | | 15 weeks of practical training (translates as 24 CP, pass/fail | | | | | | |
| Student research paper without colloquium | | | research paper (report) and seminar paper (translates as 6 will be graded | | | | | | |

Module objectives/desired learning outcomes:

- Application of previously acquired knowledge and skills in everyday professional practice, engineering work
- Gain competencies in an area that the student has designated for future employment
- Working in the training center is designed to give students some orientation for finding a topic for their Bachelor's thesis
- Stimulation to link non-specialist content with the student's own training to date
- Development of independent decision-making ability
- Presentation of the professional and social competence acquired during the course of study

Contents:

Practical phase supervised by the wood engineering program of the Faculty of Architecture, Engineering and Conservation in a company, e.g. in the wood construction or furniture industry, in an engineering office, or comparable The company/institution must ensure that engineering supervision is possible during the practical phase, i.e. at least 1 engineer must provide supervision in the company (training facility). The regulations for the practical phase according to the Praxisphasenordnung (PraxisO) must be observed.

| Course attendance time (in mandatory hours - LVS) | | Workload (in hours) | | | | | |
|---|-------------------------------|---------------------|------------|----------------------|-------|--|--|
| Entire teaching staff, per student | 0.1 LVS | Course attend | Home study | | | | |
| | - Lecture Course accompanying | | | | | | |
| | - | Exercise ar | | and exam preparation | 740 h | | |
| | - | Other | 10 h | | | | |
| Total classroom time | 0.1 LVS | Total workloa | 750 h | | | | |
| Optional extra | | | | | | | |

Literature

is listed in Stud.IP

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | |
|--|---------------------------------|---------------------------|------------------|----------------------------|-------------------|-------------------|--------------------|--|--|
| Bachelor of Wood Engineering | Individual p | rofile studies | | l 7 -1 | | 01.09.2 | | | |
| Study semesterOffered in WS7th semester+ SS | | | Credit p 6 CP | points | | Semester 4 SWS | week hours | | |
| Allocation to study specialization All | Responsible for modul HAWK plus | le | Cours from | se-depei HAWK p | ndent, ac plus | if applicable | e o information | | |
| Can also be credited to study program | | | Langua Germ | ge of instr I an | uction | | | | |
| Requirements according to examination reg | ulations | Recommended prerequisites | | | | | | | |
| Study/examination achievements/ examina Course-dependent - | tion types | If applicable, weight | ing of the si | tudy/exan | nination ach | nievements | | | |
| Module objectives/desired learning | g outcomes: | 1 | | | | | | | |
| Areas of competence of the Individ • Thinking and acting like an entre • Leadership skills • Communication and individual skills • Social and societal skills • Media skills • Interdisciplinary specialized know • Language competence | preneur | PS) | | | | | | | |
| Contents: | | | | | | | | | |
| See the IPS Module Handbook for (https://www.hawk.de/de/hochsc ilstudium) | | | rale-einri | chtunge | n/hawk-p | olus/indivi | duelles-prof | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in ho | ours) | | | | | | |
| up to | 4 LVS | Course attendar | - | Home | study | | | | |
| | - | Lecture | | | e accompa | | | | |
| | - | Exercise | | and ex | am prepa | ration | 120 h | | |
| | - | | 60 h | | | | | | |
| Total classroom time | 4 LVS | Total workload | | | | | 180 h | | |
| Optional extra | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course o | code | Internal | Last updated | | | | |
|---|---|---|---|--------------------------|--|--------------|----------------------------|------------|--|--|--|
| Bachelor of Wo | ood Engineering | Module for p | reparation o | of BH | 7-2 | | 01.09.2018 | | | | |
| Study semester 7th semester | Offered in WS + SS | the fina | - | Credit po 6 CP | oints | 1 | Semester week hours n/a | | | | |
| Allocation to study | specialization | Responsible for modul | e | | Type of teaching, group size, if applicable Supervised exercise | | | | | | |
| Can also be credite | d to study program | N.N. | | Languag | Language of instruction | | | | | | |
| - | rding to examination reg | | Decommonded pror | Germa | an | | | | | | |
| Requirements acco | | guiations | Recommended prei | ecommended prerequisites | | | | | | | |
| | achievements/ examina ch paper without co | | If applicable, weight | ing of the stu | udy/exan | nination ach | ievements | | | | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | | | | |
| Gain knowled Ability to grading Development | lge and skills in a fies and present the s of independent de | ication of the method eld that the student h state of the art in a gi ecision-making ability ise in a given subject a | nas designated for iven subject area | | | r's thesis | | | | | |
| Prepare and te | st experimental set | literature searches co ups, test procedures ods of academic work | or similar | | | - | | 4 - | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | ours) | | | | | | | |
| All professors, | | 0.2 LVS | Course attendar | | Home | study | | | | | |
| | | - | Lecture | | | e accompa | | | | | |
| | | - | Exercise | 3 h | and ex | am prepa | ration 177 h | | | | |
| Total classroom | - Other 1 Total classroom time 0.2 LVS Total workload | | | J | | | 180 h | | | | |
| Optional extra | | | | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | | | | |

| Allocation to course of | study | Module name | | Course | code | Internal | Last update | ed | | | | |
|--|--|--|----------------------------------|----------------------------|---------------------------|-------------|-------------------|------------|--|--|--|--|
| Bachelor of Wood | l Engineering | Bacheloi | r's thesis | BH | 7-4 | | 01.09.20 | 18 | | | | |
| ' | Offered in WS + SS | Buencio | 5 110515 | Credit p 12 CP | | I | Semester v n/a | veek hours | | | | |
| Allocation to study spe All | cialization | Responsible for modul | е | Type of n/a | teaching, | group size, | if applicable | | | | | |
| Can also be credited to | study program | | | Languag Germ | ge of instru an | uction | | | | | | |
| Requirements accordin 174 CP from seme | | lations | Recommended pre | erequisites | | | | | | | | |
| Study/examination ach | | on types | If applicable, weigh | hting of the st | udy/exam | ination ach | ievements | | | | | |
| Final thesis with c | olloquium | | | | | | | | | | | |
| Module objectives | /desired learning | outcomes: | | | | | | | | | | |
| Presentation of | Develop and demonstrate independent decision-making skills Presentation of the acquired methodological competence Presentation of total expertise acquired in a given subject area Contents: | | | | | | | | | | | |
| Carrying out pract own conclusions and/or Performing techni | ical investigations | re reviews with class , test procedures or ith factual/technica ect area in the field | similar with eva | aluation, di esentation | scussion | and the | student's | | | | | |
| Course other days | - * * | | | | | | | | | | | |
| Course attendance | e ume (in manuat | 0.3 LVS | Workload (in h Course attenda | | Home | studv | | | | | | |
| Second examiner | | 0.1 LVS | Lecture | | Course | accompa | | | | | | |
| | | - | - Exercise and exam preparation | | | | | 354 h | | | | |
| Total classroom ti | me | - 0.4 LVS | Other Total workload | 6 | | | | 360 h | | | | |
| Optional extra | | | | | | | | 1 | | | | |
| Literature is listed in Stud.II | р | | | | | | | | | | | |

| | | | | 0 | | | | | | |
|--|---|---|---|--|----------------------|----------------------------|----------------------------|----------------------|--|--|
| Allocation to course of study | Module na | ame | | Course | | Internal | Last update | | | |
| Bachelor of Wood Engineer | Practi | i <mark>cal tra</mark> i | ining projec | L | V 98 | | 01.09.20 | | | |
| Study semesterOffered in WS7th semester+ SS | | | | Credit p 6 CP | | | Semester v n/a | veek hours | | |
| Allocation to study specialization All | Responsib N.N. | le for modul | е | | - | group size, xternal pr | if applicable | | | |
| Can also be credited to study progra | | | | | ge of instr | | oject | | | |
| - | | | 1 | Germ | ian | | | | | |
| Requirements according to examina | ation regulations | | Recommended prerequisites | | | | | | | |
| Study/examination achievements/ Project work with colloquiu - | | | If applicable, weigh | nting of the s | tudy/exan | nination ach | ievements | | | |
| Module objectives/desired l | earning outcomes | 5: | | | | | | | | |
| Practical training projects ca Depending on the task, a su cooperation with an engine defined in terms of content out solutions largely indepe They are able to assess the make technical and econom | bject-specific or ir ering firm, a comp and scope, carry o ndently. effects and conse | nterdiscipl bany, a spe but experi quences c | linary project wit ecialist authority imental (laborato of the solutions t | th high pra , etc. Stud pry/field) i | ents dea nvestiga | al with a t tions if ne | ask that is ecessary, a | narrowly Ind work | | |
| Practical projects with differ The assignment is coordinat task of the Bachelor's thesis | ed with the stude | nts, the p | roject partners a | nd the su | pervisor | s for the i | | | | |
| | | | | | | | | | | |
| Course attendance time (in Entire teaching staff, per stu | | - LVS) 0.2 LVS | Workload (in h Course attenda | - | Home | study | | | | |
| Linure teaching stall, per sti | | - - | Lecture | ince tille | Home Course | accompa | anving | | | |
| | | - | Exercise | 3 h | | am prepa | | 177 h | | |
| | | - | Other | | | | | | | |
| Total classroom time | | 0.2 LVS | Total workload | l | | | | 180 h | | |
| Optional extra | | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | | |



Part 2

Furniture and interior finishing

| Bachelor of Wood Engineering Building materials science BH 1-1 10.03.2021 Study ensenter Circling points Semester Sem | Allocation to course | e of study | Module name | | Course co | ode | Internal | Last updat | ed |
|--|----------------------|--------------------------|----------------------|-----------------------|----------------|----------|---------------|---------------|-----------|
| Study senester Offered in Dufficing materials science Order points Senester week h All coation is study secalization Responsible for module Prof. DrIng. Iris Marquardt The points of the study program The program of the study program The points of the study program The points of the study program of the study | | | | | BH | 1-1 | | | |
| ist semester VS 6 CP 4 SWS Allocation to study specialization Prof. DrIng. Iris Marquardt Type of traching roup size, if applicable Can also be credited to study program Prof. DrIng. Iris Marquardt Larguage of instruction Requirements according to examination regulations Recommended prerequisites Study/coamination achievements/ coamination types If applicable, weighting of the study/coamination achievements/ Written examination (K2) If applicable, weighting of the study/coamination achievements Study/coamination achievements/ coamination types If applicable, weighting of the study/coamination achievements Study to basic principles for the appropriate use of building materials and their behavior under different stress They are enabled to independently expand and update learned knowledge from the areas covered. Ontents: 1. Assic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building material; mechanical behavior behavior towards liquids and gases; thermal behavior of normal concrete; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavi | Study semester | Offered in | _ Building mat | erials science | e | | | | |
| All Prof. Dring. Iris Marquardt Lecture Can abe be credited to study program Improvide of instruction Requirements according to examination regulations Recommended prerequisites Study/coarnination achievements/ osamination types If applicable, weighting of the study/examination achievements Written examination (K2) If applicable, weighting of the study/examination achievements • Module objectives/desired learning outcomes: Study-towards and weighting physics requirements. If applicable, weighting of the study/examination achievements They are enabled to independently expand and update learned knowledge from the areas covered. Image and the study is a set of a | | - | | | 6 CP | | | | |
| Can also be credited to study program If the Dr. Ing. No Indiguore Language of instruction German Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Written examination (K2) - - - Module objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Ontents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic ma | | specialization | | | | - | , group size, | if applicable | |
| Requirements according to examination regulations Recommended prerequisites Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Written examination (K2) - - - Module objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Unable basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng, Iris Marquardt 4 LVS Course attendance time Home study <t< td=""><td></td><th>d to study program</th><td></td><td>ivial qual ut</td><td></td><td></td><td>ruction</td><td></td><td></td></t<> | | d to study program | | ivial qual ut | | | ruction | | |
| Study/examination achievements/ examination types If applicable, weighting of the study/examination achievements Written examination (K2) . Andule objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress Students acquire basic knowledge of the properties of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortas 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng, Iris Marquardt 4 LVS Course attendance time Home study - 0 ther </td <td>-</td> <th></th> <td></td> <td><u> </u></td> <td></td> <td>in</td> <td></td> <td></td> <td></td> | - | | | <u> </u> | | in | | | |
| Written examination (K2) - Module objectives/desired learning outcomes: Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 12c | Requirements accor | rding to examination reg | gulations | Recommended prere | equisites | | | | |
| Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time - Lecture 60 h Course accompanying and exam preparation - - Lecture 60 h Course accompanying and exam preparation | | | ation types | If applicable, weight | ing of the stu | ıdy/exan | mination ach | ievements | |
| Students acquire basic knowledge of the properties of building materials and their behavior under different stress They learn the basic principles for the appropriate use of building materials with regard to load-bearing behavior a durability, as well as building physics requirements. They are enabled to independently expand and update learned knowledge from the areas covered. Contents: 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time - Lecture 60 h Course accompanying and exam preparation - - Lecture 60 h Course accompanying and exam preparation | Module obiectiv | ves/desired learnin | g outcomes: | | | | | | |
| 1. Basic studies: Technical building regulations; systematics of building materials and building material properties; of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Vorkload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time 4 LVS Course attendance time Home study - 0 ther 120 | durability, as w | ell as building physi | sics requirements. | - | | - | | - | vior and |
| of material testing and quality assurance; microstructure and structure of building materials; mechanical behavior behavior towards liquids and gases; thermal behavior; fire behavior 2. Mineral binding agents 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time i Home study Course accompanying and exam preparation 120 120 120 120 120 120 120 120 | | . Toobaical building | | ation of building m | atorials on | المراجع | ding moto | rial propo | rtioc, ha |
| 3. Concrete: Raw materials; classification of fresh and hardened concretes; test methods; production, processing and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time (in mandatory hours - LVS) Morkload (in hours) Interval of the study Int | of material test | ing and quality assu | urance; microstructu | re and structure o | | | - | | |
| and quality assurance; strength and deformation behavior of normal concrete; durability; concretes for special requirements; mortars 4. Steel: Production, testing , requirements 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 120 120 120 120 120 120 120 120 120 | 2. Mineral bind | ing agents | | | | | | | |
| 5. Artificial stone and brickwork 6. Synthetic materials in the building industry Workload (in burs) Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Other - 120 | and quality assu | urance; strength an | | | - | | • | • | - |
| 6. Synthetic materials in the building industry Course attendance time (in mandatory hours - LVS) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Other - 0 - <td>4. Steel: Produc</td> <th>ction, testing , requi</th> <td>irements</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 4. Steel: Produc | ction, testing , requi | irements | | | | | | |
| Course attendance time (in mandatory hours - LVS) Workload (in hours) Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Exercise - Other - | 5. Artificial stor | ne and brickwork | | | | | | | |
| Prof. DrIng. Iris Marquardt 4 LVS Course attendance time Home study - Lecture 60 h Course accompanying and exam preparation 120 - Exercise - Other 120 | 6. Synthetic ma | iterials in the buildin | ng industry | | | | | | |
| - Lecture 60 h Course accompanying and exam preparation 120 - Other - 0 - | Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | ours) | | | | |
| - Exercise and exam preparation 120 - Other | Prof. DrIng. Ir | is Marquardt | 4 LVS | Course attendan | nce time | Home | study | | |
| - Other | | | - | | | | - | | 1001 |
| | | | | 1 1 | | and ex | kam prepa | ration | 120 h |
| Total classroom time | Total classes are | | - | | L | | | | 100 - |
| Total classroom time 4 LVS Total workload 180 Optional extra | | i time | 4 LVS | lotal workload | | | | | 180 h |
| | optional extra | | | | | | | | |
| | | | | | | | | | |
| Literature | Literature | | | | | | | | |
| is listed in Stud.IP | LICTULUIC | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | k |
|---|----------------------|-------------------|-------------------|-------------|-----------------------|--------------|-----------|
| Bachelor of Wood Engineering | Math | ematics | BH | 11-2 | | 01.09.201 | 8 |
| Study semester Offered in | | cinatics | Credit | points | | Semester we | eek hours |
| 1st semester WS Allocation to study specialization | Responsible for modu | le | 6 CP | fteaching | group size. | 6 SWS | |
| All | Prof. DrIng. Axe | | Lectu | | , 51000 5120, | | |
| Can also be credited to study program | | | Langua Germ | ge of instr | ruction | | |
| Requirements according to examination rep | gulations | Recommended | | | | | |
| | | | | | | | |
| Study/examination achievements/ examination Written examination (K2) | ation types | If applicable, we | eighting of the s | tudy/exan | nination ach | lievements | |
| - | | | | | | | |
| Module objectives/desired learnin | ig outcomes: | | | | | | |
| - They are able to solve problems | | | | | | | |
| Equations and systems of linear of Determinants and matrices Vector algebra Functions and curves Differential calculus Basic principles of integral calcul | | | | | | | |
| | | | | | | | |
| Course attendance time (in manda | | Workload (ir | | | | | |
| Teaching assistant | 6 LVS | Course atten | | Home | | | |
| | - | Lecture | 90 h | | e accompa am prepa | | 90 h |
| | - | Exercise Other | | | an hiche | | 50 11 |
| Total classroom time | 6 LVS | Total worklo | ad | I | | | 180 h |
| Optional extra | I | | | | | | |
| Literature is listed in Stud.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ted |
|--------------------------------|---|--|---------------------|------------------|---------------------------|---------------------------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | Building co | onstruction, | BH | I 1-3 | | 01.09.20 | 018 |
| Study semester 1st semester | Offered in WS | - | physics 1 | Credit p 6 CP | ooints | | Semester 6 SWS | week hours |
| Allocation to study All | specialization | Responsible for mode Prof. DrIng. Alf | | | teaching | g, group size, r cise | if applicable | 9 |
| Can also be credited | d to study program | | | Langua Germ | ge of inst I an | ruction | | |
| | rding to examination regu | ulations | Recommended pr | erequisites | | | | |
| none | | · · · · · · · · · · · · · · · · · · · | none | | | | | |
| Written examination | achievements/ examinat | ion types | If applicable, weig | snting of the s | tudy/exai | mination ach | lievements | |
| - | | | | | | | | |
| - | ves/desired learning | | -bearing and non | -load-beari | ng buil | ding struct | tures and | |
| | of building physics. | | | | | | | |
| | knowledge about sta | | | - | | | . . | _ |
| | the ability to recogr m across different c | - | in and building p | hysics princ | ciples ar | nd modes | of action | in context |
| | the ability to indepe | • | t structural desig | n and build | ling phy | sics reaui | rements i | n solving |
| | instruction tasks in c | | | | 01-7 | | | 0 |
| - | to apply design rule | | | | | | | |
| - They are able | to independently pr | roduce construction | n drawings. | | | | | |
| Contents: | | | | | | | | |
| | | | | | | | | |
| Building design | : nciples of building p | lanning | | | | | | |
| - Construction | | lanning | | | | | | |
| | ture and load-bearir | ng systems | | | | | | |
| - Structural sta | - | | | | | | | |
| | es of brickwork cons brickwork construct | | | | | | | |
| | wood construction | 1011 | | | | | | |
| - Soil and found | | | | | | | | |
| | terproofing and drai | nage systems | | | | | | |
| - Ceiling and flo | oor design | | | | | | | |
| Building physic | ç. | | | | | | | |
| | es of building physics | 5 | | | | | | |
| - Protection ag | ainst heat and humi | dity | | | | | | |
| Course attenda | nce time (in mandat | tory hours - LVS) | Workload (in l | hours) | | | | |
| | ukelman (Building d | | Course attend | - | Home | study | | |
| | ck (Building physics) | U , | Lecture | 60 h | | e accompa | anying | |
| | | - | Exercise | 30 h | | xam prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroom | n time | 6 LVS | Total workloa | d | | | | 180 h |
| Optional extra | | | | | | | | |
| | | | | | | | | |
| Literature | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | |
| | | | | | | | | |
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| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|--|--|---|------------------------------------|----------------|--------------|---------------------|------------------------------|
| Bachelor of Wo | ood Engineering | Technical r | nechanics, | BH | l 1-4 | | 06.04.2021 |
| Study semester 1st semester | Offered in WS | stat | - | Credit 6 CP | ooints | | Semester week hours 4 SWS |
| Allocation to study All Can also be credite | specialization d to study program | Responsible for modul Prof. DrIng. Tho | | Lectu | ge of instru | | if applicable |
| Requirements acco | rding to examination regu | lations | Recommended prei | requisites | | | |
| Study/examination Written exami | achievements/ examinati nation (K2) | on types | If applicable, weigh | ting of the s | tudy/exam | ination ach | ievements |
| Module objectiv | ves/desired learning | outcomes: | | | | | |
| - They are prof - They are able | confident in their use icient with respect to to model the structu to model the structu | o the simplest basic aral system of simple | principles and me e structures. | - | - | | |
| Contents: | and former and | | | | | | |
| Equilibrium a Stability of rig Basic termino Method of se | id bodies logy used in structur ctions, shear diagram es, internal force var | al engineering, type າ | | | oplicatio | n | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in ho | ours) | | | |
| | homas Wedemeier | 4 LVS | Course attenda | | Homes | | |
| | | - | Lecture Exercise | 60 h | | accompa am prepa | |
| | | - | Other | | | | |
| Total classroon | n time | 4 LVS | Total workload | | | | 180 h |
| Optional extra | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|---|-----------------------|---------------------|------------------|-----------|---------------------|---------------------------|
| Bachelor of Wood Engineering | Key qual | ifications | BH | l 1-6 | | 01.09.2018 |
| Study semester Offered in 1st semester WS | | | Credit p 3 CP | oints | 1 | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modu | | | | | if applicable |
| All Can also be credited to study program | Prof. Dr. Frank Pr | ekwinkel | | re and e | | |
| - | | | Germ | | action | |
| Requirements according to examination regu | ulations | Recommended p | rerequisites | | | |
| Study/examination achievements/ examinat | ion types | If applicable, wei | ghting of the st | tudy/exam | nination ach | ievements |
| Student research paper with colloc | Juium | | | | | |
| - | | | | | | |
| Module objectives/desired learning Students are aware of the different | | Inrecentation | | | | |
| They are able to prepare presentat | | | | | | |
| They are able to create posters wit | | | | | | |
| They are aware of the design conce | epts and their implei | mentation. | | | | |
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| Contents: | | | | | | |
| Basic principles of presentation tec | hnology | | | | | |
| Slides and poster design | 0, | | | | | |
| Preparing presentations, stage fright | nt | | | | | |
| Delivering presentations | | | | | | |
| Post-presentation analysis Rhetoric | | | | | | |
| Examples of presentations from pro | ofessional practice a | nd university. i | ob applicati | on | | |
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| | | 1 | | | | |
| Course attendance time (in mandat | | Workload (in | - | | | |
| Teaching assistant | 2 LVS | Course attend | 1 | Home | | anving |
| | - | Lecture Exercise | 20 h 10 h | | accompa am prepa | |
| | - | Other | 1011 | | | |
| Total classroom time | 2 LVS | Total workloa | ad | | | 90 h |
| Optional extra | | 1 | | | | I |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|----------------------|---------------------------------|------------------|-------------|--------------|---------------------------|
| Bachelor of Wood Engineering | Wood t | echnology | BH | l 1-7 | | 01.09.2018 |
| Study semesterOffered in1st semesterWS | | | Credit p 3 CP | points | 1 | Semester week hours 2 SWS |
| Allocation to study specialization | Responsible for modu | le | Type of | teaching, | group size, | if applicable |
| All Can also be credited to study program | N.N. | | Langua | ge of instr | uction | |
| - | | 1 | Germ | | | |
| Requirements according to examination regu | ulations | Recommended pr | erequisites | | | |
| Study/examination achievements/ examinat | ion types | If applicable, weig | hting of the s | tudy/exan | nination ach | lievements |
| Written examination (K1) | | | | | | |
| - | | | | | | |
| Module objectives/desired learning | ; outcomes: | | | | | |
| They will be able to explain the woo types of wood in practice. | od technological pro | operties based o | n the struc | ture and | l select ar | 1d apply different |
| Forest, timber harvesting, eco-cycle European and tropical types of woo Wood anatomy Structure of a wood cell Tasks of a wood cell Types of cells Wood growth Wood properties based on the stru | od, differences | | | | | |
| Course attendance time (in mandat | tory bours LVS | Monthland (in) | | | | |
| Course attendance time (in mandat Teaching assistant | 2 LVS | Workload (in I Course attend | | Home | studv | |
| | - | Lecture | 20 h | | e accompa | |
| | - | Exercise | | and ex | am prepa | aration 60 h |
| Total closers and there | - | Other Total worklas | 10 h | | | |
| Total classroom time Optional extra | 2 LVS | Total workloa | a | | | 90 h |
| Literature is listed in Stud.IP | | | | | | |

| Allessites is a first | a de stat | | | | 1 | - 1 |
|--|---|--|----------------------------------|-----------------|---------------------------------|------------|
| Allocation to course of study | Module name | | Course code | Internal | Last updat | |
| Bachelor of Wood Engineering Study semester Offered in 2nd semester SS | Construct | ion project | BH 2- Credit points 6 CP | - | 01.09.20 Semester v 4 SWS | veek hours |
| Allocation to study specialization Furniture and interior finishing Can also be credited to study program - | Responsible for mode N.N. | ule | | | | |
| Requirements according to examination | regulations | Recommended prer Module BH 2-8 time | equisites | n Theory of | constructi | on at same |
| Study/examination achievements/ exami Project work with colloquium | nation types | If applicable, weight | ing of the study/e | examination ach | nievements | |
| | | | | | | |
| | | | | | | |
| Contents: Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards | ection of a concept | | | | |
| Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards e, poster and colloquit | ection of a concept um | | | | |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards e, poster and colloquit datory hours - LVS) | ection of a concept um Workload (in hc | ours) | | | |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture Course attendance time (in man Teaching assistant | L echniques procedure for the sele ing to valid standards e, poster and colloquid datory hours - LVS) 6 LVS | ection of a concept um Workload (in ho Course attendar | ours) nce time Ho | me study | anving | |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture | L echniques procedure for the sele ing to valid standards e, poster and colloquit datory hours - LVS) | workload (in hc Course attendar | ours) nce time Ho 10 h Cou | irse accomp | | 120 h |
| Definition of objectives and deve Procedure according to VDI 2222 Use of various idea generation to Selection of findings, evaluation Drafting and elaboration accordi Project presentation with lecture Course attendance time (in man Teaching assistant | L echniques procedure for the sele ing to valid standards e, poster and colloquid datory hours - LVS) 6 LVS | Workload (in ho Course attendar Lecture | ours) nce time Ho 10 h Cou | | | 120 h |

Optional extra

| Literatu | re | |
|-----------|----|---------|
| is listed | in | Stud.IP |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|-------------------------------------|---|---|------------------------|----------------|-------------------|----------------|------------------------|
| Bachelor of Wo | ood Engineering | Construct | tion theory | BH | 12-8 | | 01.09.2018 |
| Study semester | Offered in | construct | cion cicory | Credit | points | | Semester week hour |
| 2nd semester Allocation to study | WS specialization | Responsible for modu | le | 6 CP | fteaching | g, group size, | 4 SWS if applicable |
| Furniture and in | terior finishing | N.N. | | Lectu | ire | | |
| Can also be credite | d to study program | | | Langua Germ | ge of inst Nan | ruction | |
| Requirements acco | rding to examination re | gulations | Recommended pr | 1 | | | |
| | achievements/ examination | ation types | If applicable, weig | hting of the s | tudy/exa | mination ach | lievements |
| Written exami - | nation (K2) | | | | | | |
| Module objectiv | ves/desired learnir | ng outcomes: | | | | | |
| | | d methodology of dra e basis of practical ex | | cording to ' | VDI 222 | 1 and hov | v to apply construct |
| Students are a | hle to assess and e | valuate a design on th | hasis of vario | us criteria | | | |
| Students are a | | | | us criteria. | | | |
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| Contents: | | | | | | | |
| Construction p | rocedures accordin | ng to VDI 2221 | | | | | |
| | | ods intuitively, system | natically-analytic | ally, triz-ba | ased, | | |
| | rafting and elaborat | | | | | | |
| | s of technical draw rniture and interior | ring and drawing orga | nization accordi | ng to ISO 9 | 001 | | |
| | inture and interior | misning | | | | | |
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| | | | | | | | |
| Course attenda | ance time (in manda | atory hours - LVS) | Workload (in | hours) | | | |
| Teaching assist | | 4 LVS | Course attend | | Home | study | |
| | | - | Lecture | 60 h | | e accompa | |
| | | - | Exercise | | and e | xam prepa | aration 120 h |
| Total classroon | n time | - 4 LVS | Other Total workloa | d | | | 180 h |
| Optional extra | _ | | | | | | 200 11 |
| | | | | | | | |
| | | | | | | | |
| Literature | | | | | | | |
| is listed in Stu | u.IP | | | | | | |

| Study/examination ad Student research - Module objective Students should understand CAD understand CAD | Offered in SS becialization erior finishing to study program ling to examination regu chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Responsible for mode Prof. DrIng. Fra ulations tion types olloquium g outcomes: ndently create exter | Recommended pr | Lecture v Language of German erequisites hting of the study, | ts ching, group size, with exercises f instruction /examination ach | nievements |
|---|---|--|--|--|---|------------------------|
| 2nd semester Allocation to study sp Furniture and inter Can also be credited to - Requirements accord Study/examination action Student research - Module objective Students should understand CAD Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | SS pecialization erior finishing to study program ling to examination regu- chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Responsible for mode Prof. DrIng. Fra ulations tion types olloquium g outcomes: ndently create exter | ule Ink Prekwinkel Recommended pr If applicable, weig | 6 CP Type of tead Lecture v Language of German erequisites hting of the study, | ching, group size, with exercises f instruction /examination ach | 4 SWS if applicable |
| Allocation to study sp Furniture and inter Can also be credited for - Requirements accord Study/examination action Student research - Module objective Students should understand CAD Students action - Contents: - General handlir - Coordinates, of - Object selection - Layering techni | becialization erior finishing to study program ling to examination regu chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Prof. DrIng. Fra | Recommended pr | Type of tead Lecture v Language of German erequisites hting of the study, | with exercises f instruction /examination ach | if applicable |
| Furniture and inte Can also be credited t - Requirements accord Study/examination ac Student research - Module objective Students should understand CAD Students and CAD | erior finishing to study program ling to examination regu- chievements/ examinat h paper without co es/desired learning be able to indeper technology. | Prof. DrIng. Fra | Recommended pr | Lecture v Language of German erequisites hting of the study, | with exercises f instruction /examination ach | nievements |
| - Requirements accord Study/examination ac Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, ob - Object selection - Layering techni | ling to examination regu chievements/ examinat h paper without co es/desired learning be able to indeper technology. | tion types olloquium g outcomes: ndently create exter | If applicable, weig | German erequisites hting of the study, | /examination ach | |
| Study/examination ad Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | chievements/ examinat h paper without co es/desired learning be able to indeper technology. | tion types olloquium g outcomes: ndently create exter | If applicable, weig | erequisites hting of the study, | | |
| Study/examination ad Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | chievements/ examinat h paper without co es/desired learning be able to indeper technology. | tion types olloquium g outcomes: ndently create exter | If applicable, weig | hting of the study, | | |
| Student research - Module objective Students should understand CAD Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | h paper without co es/desired learning be able to indeper technology. | olloquium g outcomes: ndently create exten | | | | |
| - Module objective Students should understand CAD | es/desired learning be able to indeper technology. | g outcomes: ndently create exter | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | be able to indeper | ndently create exte | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| Students should understand CAD Contents: - General handlir - Coordinates, of - Object selection - Layering techni | be able to indeper | ndently create exte | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| understand CAD Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | technology. | | nsive 2D and 3D | design drawing | gs using a CAD |) program and |
| understand CAD Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | technology. | | | | | |
| Contents: - General handlir - Coordinates, ok - Object selection - Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
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| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| General handlir Coordinates, ob Object selection Layering techni | | | | | | |
| Coordinates, ob Object selection Layering techni | | | | | | |
| Object selection Layering techni | ng of AutoCad, basi | ic terminology | | | | |
| Object selection Layering techni | - | s, drawing comman | ds | | | |
| - Layering techni | | | | | | |
| | | | | | | |
| Text and anner | - | | | | | |
| - Standards | 151011116 | | | | | |
| 0101100100 | on and geometric c | donondoncios | | | | |
| | - | dependencies | | | | |
| - Model/paper a | | | | | | |
| | - | ree-dimensional sp | ace | | | |
| - View control, 3 | | | | | | |
| - Volume modeli | 0 | | | | | |
| - Change comma | ands in 3D | | | | | |
| - Lighting | | | | | | |
| - Animation and | presentation | | | | | |
| - Shade and rend | der techniques | | | | | |
| | | | | | | |
| Course attendan | ce time (in mandat | tory hours - LVS) | Workload (in l | nours) | | |
| DiplIng. E. Puls | | 4 LVS | Course attend | | ome study | |
| | <u>,</u> | - | Lecture | | ourse accompa | anving |
| | | | Exercise | | nd exam prepa | |
| | | | Other | 3011 011 | | |
| Total classroom | time | 4 LVS | Total workloa | d | | 180 h |
| Optional extra | | - 203 | | | | 100 11 |
| - providi enciù | | | | | | |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud. | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | ł | | |
|---|--|----------------------|---|------------------|----------|---------------------|----------------------|-----------|--|--|
| Bachelor of Wo | ood Engineering | Wood type i | dentification | BH | 2-11 | | 01.02.201 | 19 | | |
| Study semester 2nd semester | Offered in SS | | | Credit p 3 CP | ooints | | Semester we 2 SWS | eek hours | | |
| Allocation to study | | Responsible for modu | le | | | group size, | if applicable | | | |
| Furniture and int | | N.N. | Lecture Language of instruction | | | | | | | |
| - | | | German | | | | | | | |
| Requirements acco | rding to examination reg | gulations | Recommended prer | equisites | | | | | | |
| Study/examination | achievements/ examina | ation types | If applicable, weight | ing of the st | udy/exam | nination ach | nievements | | | |
| Written examin | nation (K1) | | | | | | | | | |
| - | | | | | | | | | | |
| Module objectiv | ves/desired learnin | ig outcomes: | | | | | | | | |
| | l type identification l type identification | | | | | | | | | |
| Wood anatomy Structure of wo Types of cells Structure of a v Exercises in usi European types Tropical types o | ood vood cell ng a microscope s of wood | | | | | | | | | |
| | | | | | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | ours) | | | | | | |
| Dr. R. Buchholz | | 2 LVS | Course attendar | | Home | | | | | |
| | | - | ł – – – – – – – – – – – – – – – – – – – | 15 h 15 h | | accompa am prepa | | 60 h | | |
| | | - | Exercise Other | 15 h | anu ex | anı prepa | ווסנוטוו | 0011 | | |
| Total classroom | ı time | 2 LVS | Total workload | | | | | 90 h | | |
| Optional extra | | | I | | | | I | | | |
| Literature is listed in Stud | d.IP | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed | |
|--|---|--|--|---------------|-------------|--------------------------|---------------|---------------------------|--|
| Bachelor of Wo | ood Engineering | Building surv | vev. technica | al BH | 2-13 | | 01.02.2 | 019 | |
| Study semester 2nd semester | Offered in SS | - | wing | Credit | | 1 | 4 SWS | Semester week hours 4 SWS | |
| Allocation to study Furniture and inf | | Responsible for modu | e | | | group size, exercises | if applicable | 2 | |
| Can also be credited | | N.N. | | | ge of instr | | | | |
| - | | | | Germ | nan | | | | |
| Requirements acco | rding to examination regu | ulations | Recommended pres | requisites | | | | | |
| | achievements/ examinat ch paper with collog | | If applicable, weigh | ting of the s | tudy/exam | nination ach | nievements | | |
| Module objectiv | ves/desired learning | outcomes: | · | | | | | | |
| and represen - Ability to plar - Ability to wor - Ability to inde - Development - Ability to repr | anding in the record tation in floor plans, a building survey ar k in teams and work pendently make init of spatial perceptio resent in two and the nsitivity and creativi | sections and views nd the drawings requ in an organized man tial building surveys n ree dimensions (axo | uired in the proce nner in groups nometric and per | 255 | | based or | i the reco | ang | |
| Techniques us Tools of the tr Levels of prec Two- and thre Freehand draw | lding surveys cation in building su sed in building surve rade, equipment and ision of the construc ee-dimensional desig wing perspective nce between represe | ys I instruments, CAD ction survey In basics and represe | entation techniqu | ies | | | | | |
| Course attenda | nce time (in mandat | tory bours - LVS) | Workload (in ho | ourc) | | | | | |
| C. Prinzorn, Ve | | 2 LVS | Course attenda | | Home | studv | | | |
| Teaching assist | | 2 LVS | | 15 h | 1 | accompa | anying | | |
| | | - | ł – – – – – – – – – – – – – – – – – – – | 45 h | and ex | am prepa | aration | 120 h | |
| | | - | Other | | | | | | |
| Total classroom Optional extra | i time | 4 LVS | Total workload | | | | | 180 h | |
| Literature is listed in Stu | d.IP | | | | | | | | |

| Bachelor of Wood Engineering | Module name | | Course | Course code Internal | | | Last updated | |
|---|---------------------------|---|-------------------|----------------------|------------------|------------|--------------|--|
| saurelor of wood Engineering | Engineerir | ng computei | , BH | 2-14 | | 14.03.2019 | | |
| Study semester Offered in | - | ence | Credit p | oints | | | week hours | |
| 2nd semester SS Allocation to study specialization | Responsible for mod | | 3 CP | teaching. | group size, i | 2 SWS | 2 | |
| Structural wood engineering | Prof. DrIng. Vo | | Lectu | | 5.0 dp 5.20) . | | | |
| Can also be credited to study program | | | | ge of instru | uction | | | |
| - Requirements according to examination | regulations | Recommended p | Germ | an | | | | |
| tudy/examination achievements/ exam | ination types | If applicable, weig | thing of the st | udv/ovam | ination achi | iovomonto | | |
| Written examination (K1) | ination types | ii applicable, weig | gnung of the si | .uuy/exam | induon achi | levements | | |
| - | | | | | | | | |
| Iodule objectives/desired learr | ning outcomes: | | | | | | | |
| Churchenster | | | | | | | | |
| Students | digital tools in their w | orking onvironm | ont | | | | | |
| are able to take advantage of are familiar with basic termine | - | - | | | | | | |
| know common construction-s | | - | rd engineer | ing tasks | | | | |
| know the structure of user inp | | | • | 0 | | | | |
| know that results of computer | r-aided calculations mu | ust be subjected | to critical so | crutiny. | | | | |
| can solve engineering tasks with the second sec second second sec | | heets they have | created the | mselves | - | | | |
| know the basics of a program. | | | | | | | | |
| • are able to read and debug pr | - | | | | | | | |
| are familiar with basic algorith understand the meaning and | | | mina | | | | | |
| understand the meaning and a | application of object-o | nented program | ming. | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| ontents: | | | | | | | | |
| Presentation of software solut | ions for standard engi | neering tasks | | | | | | |
| Criteria for the selection of suit | itable software solutio | ns | | | | | | |
| short presentation of FEM sof | | im and a CAS solu | ution | | | | | |
| Introduction to a spreadsheet | 1 0 | | | | | | | |
| | glanguage | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| Introduction to a programmin | idatory hours - LVS) | Workload (in | hours) | | | | | |
| • Introduction to a programmin | idatory hours - LVS) | Workload (in Course attend | | Homes | study | | | |
| • Introduction to a programmin | | | | | study accompa | Inying | | |
| • Introduction to a spreadsheet • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | | Course attend | ance time | Course | | | 60 h | |
| • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |
| Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart Total classroom time | | Course attend Lecture Exercise | ance time 30 h | Course | accompa | | 60 h 90 h | |
| Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |
| • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |
| • Introduction to a programmin Course attendance time (in mar DiplIng. C. Seifart | 2 LVS - - - - | Course attend Lecture Exercise Other | ance time 30 h | Course | accompa | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated |
|--|---|--|--|--------------------------------------|---|--|
| Bachelor of Wood Engineering | ^g Production | technology | BH | 3-6 | | 01.09.2018 |
| Study semester Offered in 3rd semester WS | project, | business stration | | Credit points Semester 6 CP 4 SWS | | |
| Allocation to study specialization Furniture and interior finishing | Responsible for modul | е | | | | if applicable |
| Can also be credited to study program | N.N. | | - | ct work ge of insti | | |
| - | | | Germ | | | |
| Requirements according to examination | on regulations | Recommended pre BH2-6, BH2-8, | | irses ta | ken at the | same time |
| Study/examination achievements/ exa | mination types | If applicable, weigh | | | | |
| Project work with colloquium | | | _ | | | |
| - | | | | | | |
| Module objectives/desired lea | rning outcomes: | | | | | |
| Students learn about interdisc Students use existing knowled The project runs under a fixed | ge from the lectures and | combine it with | - | e they h | ave acqui | red on their own. |
| Contents: | | | | | | |
| In this project work, students widentify the interfaces and propractical manner for an audier A design is translated into word dimensioned and arranged in a on the basis of the production The costs of the enterprise will overhead costing. | duce a specification sheen nee of engineers. It plans and manufacturin an operating layout. An o and the operational envi | et. The results of ng is planned. The organigram for th ironment. | the projec e workstat e people e | t work a ions an mploye | are to be p d machine ed in the p | presented in a es are to be lant is to be drawn up |
| If possible, approaches for opt | imization are to be found | d on the basis of | the finding | gs. | | |
| | | | | | | |
| Course attendance time (in ma | andatory hours - LVS) | Workload (in h | ours) | | | |
| Teaching assistant | 6 LVS | Course attenda | nce time | Home | | |
| | - | Lecture | <u></u> | | e accompa | |
| | - | Exercise | 60 h | and ex | am prepa | ration 120 h |
| Total classroom time | - 6 LVS | Other Total workload | | | | 100 L |
| Optional extra | 6 LVS | | 1 | | | 180 h |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | |
|---|---|----------------------|----------------------------|-----------------|--------------|--------------------------|------------------------------|--|
| Bachelor of Wo | ood Engineering | Wood pr | oduction | Bł | 1 3-7 | | 01.09.2018 | |
| Study semester 3rd semester | Offered in WS | techn | ology | Credit 6 CP | | 1 | Semester week hours 4 SWS | |
| Allocation to study Furniture and in | | Responsible for modu | le | | | group size, exercises | if applicable | |
| Can also be credite | | | | Langua | age of instr | | | |
| - | ding to overside the | ulations | Decemmended | Gern | nan | | | |
| Requirements acco | rding to examination reg | ulations | Recommended p | rerequisites | | | | |
| Study/examination | achievements/ examinat | tion types | If applicable, wei | ghting of the s | study/exam | nination ach | ievements | |
| Written exami | nation (K2) | | | | | | | |
| - | | | | | | | | |
| Module objectiv | es/desired learning | g outcomes: | | | | | | |
| | | turing techniques or | | | unpres. | | | |
| Types of manua Types of organi Manufacturing Cutting techno Production plac Basic principles | zation techniques based o logy for wood nning and control of materials handli | n DIN 8580 for wood | | sed materia | ls | | | |
| Course offers | noo time /in more l | tony bourse (1)(C) | Mar. 11 1/ | h | | | | |
| Teaching assist | nce time (in manda ant | 4 LVS | Workload (in Course attend | | Home | studv | | |
| 1 60 611115 0 3 3 3 6 | | - | Lecture | 50 h | 1 | accompa | anying | |
| | | - | Exercise | 10 h | - | am prepa | | |
| | | - | Other | <u> </u> | | | | |
| Total classroom | n time | 4 LVS | Total workloa | ad | | | 180 h | |
| Optional extra | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|---|--|--|----------------------|------------------|--------------------|---------------------|------------------------------|
| Bachelor of W | ood Engineering | Woodworking machines and machine elements | | | 1 3-8 | | 01.09.2018 |
| Study semester 3rd semester | Offered in WS | and machir | ne elements | Credit 6 CP | points | | Semester week hours 6 SWS |
| Allocation to study Furniture and in | | Responsible for modu Prof. DrIng. Fran | | Type or Lectu | - | g, group size, | if applicable |
| Can also be credite | d to study program | | | Langua Germ | ige of inst nan | ruction | |
| Requirements acco | rding to examination re | gulations | Recommended pre | erequisites | | | |
| Study/examination Written exami | achievements/ examina nation (K2) | ation types | If applicable, weigh | nting of the s | tudy/exa | mination ach | lievements |
| Module objecti | ves/desired learnin | ng outcomes: | | | | | |
| | | nt machines and crea | - | riteria for ' | the eva | luation an | d investment |
| Contents: | | | | | | | |
| - Machine elen | | lagios | | | | | |
| | l processing techno ents, rotary motion | - | | | | | |
| - Bearings and | | | | | | | |
| | cepts and designs | | | | | | |
| - | nents (set-up, mate | erials) | | | | | |
| - Static and dyr | e analysis of machi | ne components | | | | | |
| - Vibration ana | | ne components | | | | | |
| | | rboxes and powertra | iins) | | | | |
| | electronic compon | | | | | | |
| | | cost and performance | | | | <i>с</i> | |
| - interlinked ar | id automated syste | ms such as machining | g centers, manuf | acturing c | elis, ma | nuracturir | ig systems |
| 0 | | | | | | | |
| Prof. Dr. F. Pre | ince time (in manda | | Workload (in h | | Lama | ctudy | |
| Teaching assist | - | 4 LVS 2 LVS | Course attenda | 90 h | | e study e accomp | anving |
| | | - | Exercise | 50 11 | | xam prepa | |
| | | - | Other | | - | | |
| Total classroon | n time | 6 LVS | Total workload | 1 | 1 | | 180 h |
| Optional extra Laboratory pra | actical training | | | | | | i |
| Literature | | | | | | | |
| is listed in Stu | d.IP | | | | | | |
| | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | |
|--|---|---|----------------------------|-------------------------|--|---------------------|------------------------|-------|--|
| Bachelor of W | ood Engineering | Measurement and control | | | 1 3-9 | | 01.09.2018 | | |
| Study semester 3rd semester | Offered in WS | techn | | Credit 6 CP | points | J | Semester week 4 SWS | hours | |
| Allocation to study Furniture and in Can also be credite | terior finishing | Responsible for modul Prof. DrIng. Fran | | Lectu Langua | Type of teaching, group size, if applicable Lecture Language of instruction German | | | | |
| Requirements acco | rding to examination reg | ulations | Recommended prei | requisites | | | | | |
| Study/examination Written exami | achievements/ examinat nation (K2) | tion types | If applicable, weigh | ting of the s | tudy/exam | nination ach | ievements | | |
| Module objecti | ves/desired learning | g outcomes: | | | | | | | |
| processes. The controls and P | y should be enabled Cs. They are to acqu | of sensor and actuat to realize simple con uire the necessary ex atrol their realization | ntrol systems the plan the | mselves one realization | on the ba | asis of ele | ctronic contac | ct | |
| Basic principl Elements ma Electronic co Electronic pri Programming Programming Sensor techn Basic principl Self-stable co | es of measurement king up electrical co ntact controls ocess controls SPS, r microprocessors g SPS ology es of regulation tecl | ntact controls nicroprocessors and nnology: Characterist | PCs | op elemen | ıts | | | | |
| Course attenda | nce time (in manda | tory hours - LVS) | Workload (in ho | ours) | | | | | |
| Prof. Dr. F. Pre | kwinkel | 4 LVS | Course attenda | | Home | - | | | |
| | | - | Lecture Exercise | 60 h | | accompa am prepa | | 20 h | |
| | | - | Other | | | | | | |
| Total classroon Optional extra | n time | 4 LVS | Total workload | | · | | 18 | 80 h | |
| | | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | | |

| Allocation to cours | e of study | Module name | | Course o | code | Internal | Last updated |
|---|---------------------------|----------------------|------------------------------|------------------|--------------------------------|--------------|------------------------------|
| Bachelor of W | ood Engineering | | Furniture | BH | 3-10 | | 19.03.2019 |
| Study semester 3rd semester | Offered in WS | | i unitur c | Credit p 6 CP | oints | | Semester week hours 4 SWS |
| Allocation to study | | Responsible for modu | | | | | if applicable |
| Furniture and in Can also be credite | | Prof. DrIng. Frar | ik Prekwinkel | | r e with ge of instr | exercises | |
| - | | | | Germa | | action | |
| Requirements acco | rding to examination re | gulations | Recommended p BH 2-10 CAD | | | | |
| Study/examination | achievements/ examination | ation types | If applicable, wei | ghting of the st | udy/exam | nination ach | ievements |
| Student resear | ch paper without c | colloquium | | | | | |
| Module objecti | ves/desired learnir | ng outcomes: | | | | | |
| - Coordinates, | ling of Cimatron, ba | ds, drawing command | ls | | | | |
| - Text and dime | | | | | | | |
| - Standards | | | | | | | |
| - | data collected else | | | | | | |
| - Overview of c | other CAD application | ons | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in | hours) | | | |
| DiplIng. E. Pu | ls, M.A. | 2 LVS | Course attend | | Home | study | |
| Teaching assist | ant | 2 LVS | Lecture | 30 h | | accompa | |
| | | - | Exercise | 30 h | and ex | am prepa | aration 120 h |
| | | - | Other | <u> </u> | | | |
| Total classroon | n time | 4 LVS | Total workloa | ad | | | 180 h |
| Optional extra | | | | | | | |
| Literature | | | | | | | |
| is listed in Stu | d.IP | | | | | | |
| | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | | |
|---|---|--------------------------------------|--------------------------------------|-----------------------------------|---|--------------------|--|--|--|--|
| Bachelor of Wood Engineering | Durance | ing and | BF | 4-2 | | 01.09.2018 | | | | |
| Study semester Offered in 4th semester SS Allocation to study specialization All | Drywall finishing co Responsible for modu N.N. | Credit p 6 CP Type of Lectu | ooints teaching re/exer | cise | Semester week hours 4 SWS if applicable | | | | | |
| Can also be credited to study program | | | | Language of instruction German | | | | | | |
| Requirements according to examination regu | lations | Recommended pr | mmended prerequisites | | | | | | | |
| Study/examination achievements/ examinat Student research paper with collog | | If applicable, weig | shting of the s | tudy/exar | mination ach | ievements | | | | |
| Module objectives/desired learning | outcomes: | | | | | | | | | |
| Knowledge of materials, types of e Knowledge of soundproofing and Ability to develop an execution an design interrelationships and depere Ability to independently prepare e | fire safety for interion d detailed design pl ndencies. | or finishing lan taking into a | | | | | | | | |
| Contents: - Materials in drywall and finishing - Wall, ceiling and floor design - Designs with special requirements - Development of a finishing plan as | | ail planning with | nin the scop | e of a p | ractical p | ⁻ oject | | | | |
| Course attendance time (in mandat | cory bours - LVS) | Workload (in) | hours) | | | | | | | |
| Prof. Dr. A. Breukelman | 4 LVS | Workload (in I Course attend | | Home | study | | | | | |
| | - | Lecture | 30 h | | e accompa | anying | | | | |
| | - | Exercise | 30 h | | kam prepa | | | | | |
| | - | Other | | | | | | | | |
| Total classroom time | 4 LVS | Total workloa | d | | | 180 h | | | | |
| Optional extra | | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last update | d |
|--|--|---|--|-------------------------|----------------------|------------------------------|----------------------------|------------|
| Bachelor of Wo | ood Engineering | Proiect C-t | echnology | BH | I 4-6 | | 01.02.2019 | |
| Study semester 4th semester | Offered in SS | , | | Credit 6 CP | points | 1 | Semester w 4 SWS | veek hours |
| Allocation to study Furniture and in | | Responsible for modul | | | | , group size, tical lab t | if applicable | |
| Can also be credite | - | Prof. DrIng. Fran | ik prekwinkei | | ge of instr | | annig | |
| - | | | D 1 1 | Germ | ian | | | |
| Requirements acco | rding to examination reg | gulations | Recommended pr Successful cor | | f BH 3-8, | , BH 3-9 | | |
| Study/examination Project work w | achievements/ examina ith colloquium | tion types | If applicable, weig | hting of the s | tudy/exan | nination ach | iievements | |
| Module objectiv | ves/desired learnin | g outcomes: | <u> </u> | | | | | |
| examples and o They are enabl they develop th discussions in F | design, create, test ed to develop their neir own team, cont inglish. | ice in using CNC syste and document CNC p own learning strateg flict, facilitation and l tion, professional ope | rograms. ies and conduct eadership skills. | independe They are a | ent rese Iso able | arch. Witl to condu | hin the pro let project | |
| Commissionir Creating CNC Testing and q Documentation Optimization Optimization Material-spect Start-up and s | uality assurance in (| CNC programming es ies ents | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in l | hours) | | | | |
| Prof. Dr. F. Pre | - | 4 LVS | Course attend | | Home | | | I |
| DiplIng. N. Lir | | 2 LVS | Lecture | 20 h | | e accompa am prepa | | 120 h |
| Teaching assist | ant | 2 LVS | Exercise Other | 40 h | anuex | ani prepa | πατιστι | 12011 |
| Total classroom | ı time | 8 LVS | Total workloa | d d | | | | 180 h |
| Optional extra | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed |
|--|--|---|---------------------------------------|----------------|----------------------------|---------------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | C-toch | C-technology | | I 4-8 | | 01.09.2018 | |
| Study semester 4th semester | Offered in SS | | noiogy | Credit p | ooints | | Semester 6 SWS | week hours |
| Allocation to study | specialization | Responsible for modu | е | | teaching, | group size, | if applicable | |
| Furniture and int | - | Prof. DrIng. Frar | nk Prekwinkel | Lectu | | | | |
| Can also be credited | d to study program | | | Germ | ge of instr I an | uction | | |
| Requirements accor | rding to examination reg | ulations | Recommended pre | | | | | |
| | | | Successful con | npletion of | f BH 3-8, | BH 3-9 | | |
| Study/examination Written examin | achievements/ examinat nation (K2) | ion types | If applicable, weigh | hting of the s | tudy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learning | goutcomes: | | | | | | |
| they are able to structure of CA | o independently created by the pendently created by D/CAM systems and the pendently created by the pendently cre | and operation of CI ate CNC programs and implement them in regard to their suita | nd install them w practice. They a | vithout err | ors. The | y are also | able to a | nalyze the |
| Contents: | | | | | | | | |
| CNC programmed Methods of contract or contract of Contract or co | omputer-aided work AD/CAM faces CAD/CAM systems ntrol technology | scheduling assurance in autom | nated manufactu | ıring | | | | |
| | nce time (in manda | | Workload (in h | | | | | |
| Prof. Dr. F. Prel | | 4 LVS | Course attenda | | Home | | | |
| Teaching assist | ant | 2 LVS | Lecture | 90 h | | accompa am prepa | | 90 h |
| <u> </u> | | - | Exercise | | anu ex | ani prepa | αιατίθη | 3011 |
| Total classroom | time | - 6 LVS | Other Total workload | 4 | | | | 180 h |
| Optional extra | | 0 LVS | | u . | | | | 100 11 |
| Laboratory pra | ctical training | | | | | | | |
| Literature is listed in Stud | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last upda | ted |
|---|---|---|---------------------|--|-------------------|---------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | Productio | , BH | I 4-9 | | 01.09.2 | 018 | |
| Study semester 4th semester | Offered in SS | | | Credit | points | | Semester 6 SWS | week hours |
| Allocation to study | specialization | Responsible for modu | le | | fteaching | , group size, | | e |
| Furniture and in | | Prof. DrIng. Fran | nk Prekwinkel | Lectu | | | | |
| Can also be credite | d to study program | | | Germ | ge of inst Nan | ruction | | |
| Requirements acco | rding to examination regu | lations | Recommended pr | | | | | |
| Study (avamination | a chiavamanta (avaminat | ion turoc | If applicable weig | the state of the s | tudu/ava | mination ack | iouomonto | |
| Written examin | achievements/ examinatination (K2) | ion types | If applicable, weig | gnung of the s | tuuy/exar | | lievements | |
| - | | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| | hermore, they are a with regard to their | | - | | | | | |
| Strategic, tact Production pl Legal and org Structural and | uction planning and ical and operational anning and control s anizational framewo I process organizatic on, workshop produ | production plannin ystem concepts rk m | - | | | | | |
| | nd transport plannin | g | | | | | | |
| - Profitability c | | 0 | | | | | | |
| | r the evaluation of p | roduction units | | | | | | |
| - Investment an | | anagomont | | | | | | |
| | nd environmental magement and controlling | | | | | | | |
| - | ng with the lectures | - | er of field trips t | o leading n | nanufac | turers of f | urniture, | components |
| and supplier pa | - | | | | | | | · |
| | | | | | | | | |
| | nce time (in mandat | | Workload (in | | | ctudu. | | |
| Prof. Dr. F. Pre | - | 4 LVS 2 LVS | Course attend | ance time 90 h | Home | e accompa | anving | |
| Teaching assist | ant | - | Exercise | 3011 | | kam prepa | | 90 h |
| | | - | Other | | | | | |
| Total classroon | n time | 6 LVS | Total workloa | d | 1 | | | 180 h |
| Optional extra | | | 1 | | | | | |
| Field trips | | | | | | | | |
| - | | | | | | | | |
| Literature | 110 | | | | | | | |
| is listed in Stu | a.IP | | | | | | | |
| | | | | | | | | |

| Allocation to course | e of study | Module name | | Course coo | de I | nternal | Last updated | | |
|--|---|---|-------------------------|-------------------------|-----------------------|------------|------------------------------|--|--|
| Bachelor of Wo | ood Engineering | Business adm | BH 4 | -10 | | 01.02.2019 | | | |
| Study semester 4th semester | Offered in SS | industrial (| | Credit poir 6 CP | nts | | Semester week hours 4 SWS | | |
| Allocation to study Furniture and int | | Responsible for modul | e | Type of tea | | oup size, | if applicable | | |
| Can also be credited | d to study program | _ | | Language of instruction | | | | | |
| - Requirements acco | rding to examination reg | ulations | Recommended prerec | German quisites | 1 | | | | |
| | | | | 6.1 I | . / . | | | | |
| Study/examination Written examin | achievements/ examinat | ion types | If applicable, weightin | g of the stud | ly/examina | ation ach | levements | | |
| - | | | | | | | | | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | | |
| _ | formance accountin | - | | | | | | | |
| - | | ternal accounting to | data from the cost | t-performa | ance ana | alysis | | | |
| | | unit accounting on | the basis of differe | nt, operati | ional acc | countin | g sheets within | | |
| | k of full cost accoun | 0 | | | | | | | |
| | | on a full cost basis in s forms of full and pa | | | | | • | | |
| making | | | | | | or acci. | | | |
| - | decisions: Students | | | | | | | | |
| | | rinciples of decision | | | | | | | |
| | - | ess of investments wi | th the help of seled | cted suitab | ole proce | edures | of static and/or | | |
| - | stment calculation lect and apply invest | tment appraisal met | hods that also take | into accou | unt non- | -monet | arv benefits and | | |
| inputs | | | | | | | , | | |
| Contents: | | | | | | | | | |
| on cost and per | formance accountir | ng: | | | | | | | |
| Accruals and | | | | | | | | | |
| | | r determination of in | | | | | | | |
| | - | object accounting in different forms of p | | | | | | | |
| | of machine hourly | - | | 118 | | | | | |
| - | | ble standard costing | | | | | | | |
| | | | | | | | | | |
| on investment | | nistration decision-m | aking theory | | | | | | |
| | | thods of investment | | | | | | | |
| | | nvestment appraisal | • • | | | | | | |
| Decisions bas | ed on security, risk, | uncertainty | | | | | | | |
| | | | Γ | | | | | | |
| | nce time (in manda | | Workload (in hou | - | | | | | |
| Teaching assist | ant | 4 LVS | Course attendanc | | lome stu Course ad | | anving | | |
| <u> </u> | | - | | | nd exam | - | | | |
| | | - | Other | | | 1 -1 | | | |
| Total classroom | time | 4 LVS | Total workload | I | | | 180 h | | |
| Optional extra | | | | | | | | | |
| | | | | | | | | | |
| Literature | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Allocation to course Bachelor of Wo | e of study ood Engineering | Module name | urnituro | Course | code 5-6 | Internal | Last update 01.09.20 | |
|---|---|--|----------------------------------|----------------------------|----------------------------|--------------|--------------------------|-----------------------|
| Study semester 5th semester | Offered in WS | | Project Furniture | | ooints | | Semester w 6 SWS | veek hours |
| Allocation to study | specialization | Responsible for modul | е | | | | if applicable | |
| Furniture and int | - | Prof. DrIng. Fran | nk Prekwinkel | | | workshop | S | |
| Can also be credited | a to study program | | | Germ | ge of insti I an | luction | | |
| Requirements acco | rding to examination reg | gulations | Recommended p BH 4-8, BH 4- | | | | | |
| Study/examination Project work w | achievements/ examina rith colloquium | ation types | If applicable, wei | ghting of the s | tudy/exar | nination ach | lievements | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | |
| costing for a pr In the same wa | roduct line in a com ay, they develop ar | g, design and manufa pleted project. The c nd present appropria d sales measures as w | course focuses te measures in | not only on the area of | aspects compa | of design | and const zation, pro | truction. oduction |
| Design impler Corporate pla Cost and sales Sales and mar Planning of sa | nning or corporate | res | | | | | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in | hours) | | | | |
| Prof. Dr. F. Pre | | 6 LVS | Course attend | | Home | study | | |
| | | - | Lecture | 60 h | | e accompa | anying | |
| | | - | Exercise | 30 h | and ex | kam prepa | aration | 90 h |
| | | - | Other | | | | | |
| Total classroom | n time | 6 LVS | Total workloa | ad | | | | 180 h |
| Optional extra Field trips | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course of study | | Module name | | Course code Internal | | Last updated | | |
|---|---------------|-----------------------------------|---|---|--|---------------------|--|--|
| Bachelor of Wood Engineering | | Practical training phase | | BH 6-1 | | 01.06.2021 | | |
| Study semester | Offered in WS | | | Credit points | | Semester week hours | | |
| 6th semester | + SS | | | 30 CP | | n/a | | |
| Allocation to study specialization | | Responsible for module | | Type of teaching, group size, if applicable | | | | |
| All | | Prof. Dr. Ing. Mario Hanusrichter | | Pre- and post-seminar, practical phase | | | | |
| Can also be credited to study program | | | | Language of instruction | | | | |
| - | | | | German | | | | |
| Requirements according to examination regulations | | Recommended prerequisites | | | | | | |
| all CP from 1st + 2nd semester; additional 45 CP from | | | | | | | | |
| semester 3 to 5 | | | | | | | | |
| Study/examination achievements/ examination types | | | If applicable, weighting of the study/examination achievements | | | | | |
| Seminar paper | | | 15 weeks practical training (translates as 24 CP, pass/fail | | | | | |
| Student research paper without colloquium | | | research paper (report) and seminar paper (translates as 6 CP) will be graded | | | | | |
| | | | | | | | | |

Module objectives/desired learning outcomes:

- Application of previously acquired knowledge and skills in everyday professional practice, engineering work
- Gain competencies in an area that the student has designated for future employment
- Working in the training center is designed to give students some orientation for finding a topic for their Bachelor's thesis
- Stimulation to link non-specialist content with the student's own training to date
- Development of independent decision-making ability
- Presentation of the professional and social competence acquired during the course of study.

Contents:

Practical phase supervised by the wood engineering program of the Faculty of Architecture, Engineering and Conservation in a company, e.g. in the wood construction or furniture industry, in an engineering office, or comparable The company/institution must ensure that engineering supervision is possible during the practical phase, i.e. at least 1 engineer must provide supervision in the company (training facility). The regulations for the practical phase according to the Praxisphasenordnung (PraxisO) must be observed.

| Course attendance time (in mandatory hours | Workload (in hours) | | | | | |
|--|---------------------|------------------------|------|----------------------|-------|--|
| Entire teaching staff, per student | 0.1 LVS | Course attendance time | | Home study | | |
| | - | Lecture | | Course accompanying | | |
| | - | Exercise | | and exam preparation | 740 h | |
| | - | Other | 10 h | | | |
| Total classroom time | Total workloa | 750 h | | | | |
| Optional extra | | | | | | |
| | | | | | | |
| | | | | | | |
| Literature | | | | | | |
| is listed in Stud.IP | | | | | | |

| Allocation to course of study | | Module name | | Course | code | Internal | Last upda | ted | | |
|---|---|--|----------------------------|--|---|-----------|---------------------------|---------------|--|--|
| Bachelor of Wood Engineering | | Individual profile studies | | | BH 7-1 | | 01.09.2018 | | | |
| Study semester 7th semester | Offered in WS + SS | - | Credit | Credit points 6 CP | | | Semester week hours 4 SWS | | | |
| Allocation to study All | specialization | Responsible for module HAWK plus | | Cour: from | Type of teaching, group size, if applicable Course-dependent, according to information from HAWK plus | | | | | |
| Can also be credited to study program | | | | | Language of instruction German | | | | | |
| Requirements acco | - Requirements according to examination regu | | lations Recommended prerec | | | | | | | |
| Study/examination | Study/examination achievements/ examination types | | | If applicable, weighting of the study/examination achievements | | | | | | |
| Course-depend | | | | | | | | | | |
| - | | | | | | | | | | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | | | |
| Social and so Media skills Interdisciplin Language cor Contents: | on and individual sk cietal skills ary specialized knov npetence | vledge | | | | | | | | |
| | | the current range of hule/organisation-ur | | rale-einri | chtunge | en/hawk-p | olus/indiv | iduelles-prof | | |
| | | | | | | | | | | |
| | | | I | | | | | | | |
| | Course attendance time (in mandatory hours - LVS) | | | Workload (in hours) | | | | | | |
| Up to | | 4 LVS | Course attendar | ice time | Home study Course accompanyi and exam preparati | | anving | | | |
| | | - | Exercise | | | | | - | | |
| | | - | 1 1 | 60 h | | | | | | |
| Total classroom | n time | 4 LVS | Total workload | | | | | 180 h | | |
| Optional extra | | I | | | | | | | | |
| | | | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | |
|---|--|---|--|----------------|--------------------------|---------------------|---|--|
| Bachelor of Wo | ood Engineering | Module for p | reparation o | of BH | 17-2 | | 01.09.2018 | |
| Study semester 7th semester | Offered in WS + SS | - | al thesis | Credit 6 CP | points | | Semester week hours n/a | |
| Allocation to study All | specialization | Responsible for modul | le | | f teaching, rvised ex | | if applicable | |
| Can also be credite | d to study program | IV.IV. | | | ge of instr | | | |
| Requirements acco | rding to examination reg | gulations | Recommended pres | requisites | | | | |
| - | achievements/ examina | | If applicable, weigh | ting of the s | tudy/exan | nination ach | ievements | |
| Student resear | ch paper without co | olloquium | | | | | | |
| Module objectiv | ves/desired learnin | g outcomes: | 1 | | | | | |
| Gain knowled Ability to grade Development | dge and skills in a fie sp and present the s t of independent de | ication of the method eld that the student h state of the art in a g ecision-making ability se in a given subject | nas designated fo iven subject area | r his/her I | - | 's thesis | | |
| Prepare and te | st experimental set | literature searches co ups, test procedures ods used in academic | or similar | | | - | als and other series early as 2nd semester | |
| | | | | | | | | |
| | nce time (in manda | atory hours - LVS) | Workload (in he | | | | | |
| All professors, | per student | 0.2 LVS | Course attenda | nce time | Home | | | |
| | | - | Lecture Exercise | | - | accompa am prepa | | |
| | | - | Other | 3 h | | | | |
| Total classroom | n time | 0.2 LVS | Total workload | | | | 180 h | |
| Optional extra | | | | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course of | of study | Module name | | Course | code | Internal | Last update | ed |
|--|--|---|--|-------------------|--------------------|-------------|-------------------|------------|
| Bachelor of Woo | od Engineering | Bachelor's thesis | | BH | 7-4 | | 01.09.20 | 18 |
| Study semester 7th semester | Offered in WS + SS | Buchen | | Credit p 12 CP | | 1 | Semester v n/a | veek hours |
| Allocation to study sp All | pecialization | Responsible for modul | е | Type of n/a | teaching, | group size, | if applicable | |
| Can also be credited | to study program | | | Languag Germ | ge of instru an | uction | | |
| Requirements accord 174 CP from sen | ing to examination regu nesters 1 bis 6 | llations | Recommended pre | erequisites | | | | |
| Study/examination ad | chievements/ examinati | on types | If applicable, weigh | nting of the st | udy/exam | ination ach | ievements | |
| Final thesis with | colloquium | | | | | | | |
| Module objective | es/desired learning | outcomes: | | | | | | |
| Develop and d Presentation o | emonstrate indepe f the acquired met | tate of the art in a gi ndent decision-mak hodological compete quired in a given sub | ing skills ence | | | | | |
| Carrying out pra own conclusions and/or Performing tech | ctical investigations | re research with clas s, test procedures or ith factual/technica ect area in the field | ⁻ similar with eva l appropriate pre | luation, di | scussion | | student's | |
| Course office days | | | | | | | | |
| First examiner | ce time (in mandat | 0.3 LVS | Workload (in h Course attenda | - | Homes | studv | | |
| Second examine | r | 0.1 LVS | Lecture | | | accompa | anying | |
| | | - | Exercise Other | 6 | | am prepa | | 354 h |
| Total classroom | time | 0.4 LVS | Total workload | - | | | | 360 h |
| Optional extra | | 1 | 1 | | | | | 1 |
| Literature is listed in Stud | IP | | | | | | | |

| | | | - | | | | | | | |
|---|--|---|--|-----------------------------------|--|----------------------------|----------------------|--|--|--|
| Allocation to course of study | Module name | | Course | code V 98 | Internal | Last update | | | | |
| Bachelor of Wood Engineering | Practical trai | Practical training project Responsible for module N.N. | | | | 01.09.20 | | | | |
| Study semesterOffered in WS7th semester+ SS | | | | | | n/a | week hours | | | |
| Allocation to study specialization All | | | | | Type of teaching, group size, if applicable Supervised external project | | | | | |
| Can also be credited to study program | IN.IN. | | - | Language of instruction | | | | | | |
| - | | T | Germ | an | | | | | | |
| Requirements according to examination | n regulations | Recommended pre | requisites | | | | | | | |
| Study/examination achievements/ exam Project work with colloquium - | nination types | If applicable, weigh | ting of the st | udy/exan | nination ach | lievements | | | | |
| Module objectives/desired learn | ning outcomes: | | | | | | | | | |
| Practical training projects can b Depending on the task, a subject cooperation with an engineering defined in terms of content and out solutions largely independed They are able to assess the effer make technical and economic a | ct-specific or interdiscipl og firm, a company, a spe d scope, carry out experi ently. ects and consequences o | linary project wit ecialist authority, imental (laborato of the solutions tl | h high pra etc. Stude ry/field) ir | ctical re ents dea nvestiga | al with a t itions if ne | ask that is ecessary, a | narrowly and work | | | |
| Practical projects with different The assignment is coordinated task of the Bachelor's thesis and | with the students, the p | roject partners a | nd the sup | ervisor | s for the i | | | | | |
| | | | , | | | | | | | |
| Course attendance time (in mar | | Workload (in he | - | Home | ctudy | | | | | |
| entire teaching staff, per stude | nt 0.2 LVS | Course attenda Lecture | nce time | Home | study e accompa | anving | | | | |
| | - | | 3 h | | am prepa | | 177 h | | | |
| | | Other | | | | | | | | |
| Total classroom time | 0.2 LVS | Total workload | | | | | 180 h | | | |
| Optional extra | | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | | |



Part 3

Specialization modules (majors) Wood engineering

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ed |
|---|---|--|--|--|--|--|---|------------|
| Bachelor of Wo | ood Engineering | Mudbrick buildin | | BH | V 81 | | 03.12.2018 | |
| Study semester 5th semester | Offered in WS | | _ | Credit p 6 CP | oints | | Semester 4 SWS | week hours |
| Allocation to study | specialization | Responsible for modu Prof. DrIng. Geo | | Type of Semir | | group size, | if applicable | , , |
| Can also be credited | d to study program | | | Langua Germ | ge of instr an | uction | | |
| Requirements acco | rding to examination re | gulations | Recommended p | orerequisites | | | | |
| - | achievements/ examina ch paper with collo | | If applicable, wei | ghting of the st | udy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | |
| as a building r - are familiar w - deal with its n state of the ar - know about th of production semi-finished - gain valuable | naterial of the futu ith the design option naterial properties t of rehabilitation to ne connection to the processes in the m mud products and, experience for qua | ng material of the pas re ons that mudbrick off as well as with traditi techniques within the le Lehm e.V. network anufacture of mudbr last but not least, th lity assurance during endering and constru- | ers as a buildin ional and mode framework of , which HAWK ick building pro e state of the a their own prac | g material. In construct the basic the was involved oducts, the c rt in researc tical exercise | tion met eoretica I in four raftsma h. | thods and I principle nding in 2 nship inve | l the es. 008, the p olved in th | roblems |
| The building r Building meth construction v Design option Building impro | age and world cultunaterial and its cha ods such as adobe with compartments | racteristics construction, Weller s filled with clay/mud or today and for tom gies | etc. | ammed eart | h consti | ruction, h | alf-timber | red |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in | hours) | | | | |
| Prof. Dr. G. Ma | | 4 LVS | Course attend | - | Home | study | | |
| | | - | Lecture | 60 h | | e accompa | | |
| | | - | Exercise Other | 30 h | and ex | am prepa | aration | 90 h |
| Total classroom | n time | 4 LVS | Total workloa | ad | | | | 180 h |
| Optional extra Practical exerc | ises in the lab with | a focus on quality ass | surance | | | | | |
| Literature is listed in Stu | d.IP | | | | | | | |

| Bachelor of W | e of study | Module name | | Course | code | Internal | Last updated |
|---|---|---|--|--|--|--|---|
| | ood Engineering | Safety a | nd health | BH | V-82 | | 20.03.2020 |
| Study semester 6th semester | Offered in SS | - | ection | Credit | points | 1 | Semester week hours 4 SWS |
| Allocation to study | specialization | Responsible for modu | | | | | if applicable |
| - Can also he credite | d to study program | Prof. Dr. M. Hanu | usrichter | | ge of instru | | |
| | u to study program | | | Germ | | action | |
| Requirements acco | rding to examination re | gulations | Recommended p | orerequisites | | | |
| | achievements/ examination | ation types | If applicable, we | ghting of the s | tudy/exam | ination ach | ievements |
| Written exami - | nation (K2) | | | | | | |
| /lodule objecti | ves/desired learnir | g outcomes: | | | | | |
| Acquisition o Acquisition o RAB 30 Annet Basic knowled Safety and heat | f basic knowledge in "occupational safe & B dge on how to prep | ng construction work n health protection a ety knowledge" in acc are an operational ris ng construction work sessment | nd occupationa cordance with t sk assessment | - | tion Site | Ordinan | ce in conjunction wi |
| | | | | | | | |
| Occupational h and assessmer | t of hazards on cor | owledge includes gen struction sites and d this and the organiza | uring subseque | nt work on t | the build | ing struc | tures, as well as the |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and | t of hazards on cor sures required for mong other things ealth and safety leasures (measures for e use of ladders, m cards due to hazard l renovation work, | struction sites and d this and the organiza | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmen | nt work on ional health cident and h work, haza hazards du during asse | the build and safe nealth ha rds due f e to elect embly wo | ing struc ety on co zards and to falling, tricity, op ork, meas | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, saf protection, has demolition and toilets and oth | t of hazards on con sures required for mong other things ealth and safety leg sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and lif ous substances, mea safe use of machiner | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent | nt work on t ional health cident and h work, haza hazards due during asse nt), first aid | the build and safe rds due f e to elect embly wo facilities, | ing struc ety on co zards and to falling, tricity, op ork, meas day shel | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, |
| Occupational h and assessmer protective mea of focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, | t of hazards on con sures required for mong other things lealth and safety lea sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person students are gradue | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent e preparation of Workload (in | nt work on fional health cident and h g work, haza hazards du during asse nt), first aid a risk asses hours) | the build and safe rds due f e to elect embly wo facilities, | ing struc ety on co zards and to falling, tricity, op ork, meas day shel | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, |
| Occupational h and assessmer protective mea of focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, | t of hazards on cor isures required for mong other things lealth and safety lea isures (measures for e use of ladders, meands due to hazard I renovation work, er facilities, person students are gradua | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent e preparation of Workload (in Course attent | nt work on fional health cident and h g work, haza hazards due during asse nt), first aid a risk asses hours) dance time | the build and safe nealth ha rds due f e to elect embly wo facilities, sment fo | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |
| Occupational h and assessmer protective mea t focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, | t of hazards on con sures required for mong other things lealth and safety lea sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person students are gradue | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipme ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipment ent e preparation of Workload (in Course attent | nt work on t ional health cident and h work, haza hazards due during asse nt), first aid a risk asses hours) dance time 50 h | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, sat protection, ha demolition and toilets and oth Based on this, | t of hazards on con sures required for mong other things lealth and safety lea sures (measures for e use of ladders, m ards due to hazard I renovation work, er facilities, person students are gradue | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipment ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent ent e preparation of Workload (in Course attend Lecture Exercise | nt work on fional health cident and h g work, haza hazards due during asse nt), first aid a risk asses hours) dance time | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |
| Occupational h and assessmer protective mea It focuses on, a Occupational h protective mea scaffolding, sat protection, has demolition and toilets and oth Based on this, Course attenda Teaching assis | t of hazards on con isures required for mong other things lealth and safety lea isures (measures for e use of ladders, measures due to hazard l renovation work, ser facilities, person students are graduated ince time (in mandated) | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machiner al protective equipme ally introduced to the atory hours - LVS) tke 4 LVS - - - | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent ent e preparation of Workload (in Course attend Lecture Exercise Other | nt work on t ional health cident and h work, haza hazards due during asse nt), first aid a risk asses hours) dance time 50 h 10 h | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | anying anying anying tures, as well as the safe use of berational fire ures for safety durin ters, washrooms, truction company. |
| and assessmer protective mea Occupational h protective mea scaffolding, sal protection, had demolition and toilets and oth Based on this, | t of hazards on con isures required for mong other things lealth and safety lea isures (measures for e use of ladders, measures due to hazard l renovation work, ser facilities, person students are graduated ince time (in mandated) | struction sites and d this and the organiza gislation and system, or safety mining and c obile scaffolds and life ous substances, mea safe use of machinery al protective equipment ally introduced to the atory hours - LVS) | uring subseque tion of occupat site-specific ac civil engineering fting platforms, sures for safety y and equipmenent ent e preparation of Workload (in Course attend Lecture Exercise | nt work on t ional health cident and h work, haza hazards due during asse nt), first aid a risk asses hours) dance time 50 h 10 h | the build and safe realth ha rds due to elect embly wo facilities, sment fo Home s Course | ing struc ety on co zards and to falling, tricity, op ork, meas day shel or a const | tures, as well as the nstruction sites. d necessary safe use of perational fire ures for safety durin ters, washrooms, cruction company. |

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|---|--|---|---|-----------------------------------|--|----------------------------|----------------------|--|--|--|
| Allocation to course of study | Module name | | Course | code V 98 | Internal | Last update | | | | |
| Bachelor of Wood Engineering | Practical trai | Practical training project Responsible for module N.N. | | | | 01.09.20 | | | | |
| Study semesterOffered in WS7th semester+ SS | | | | | | n/a | week hours | | | |
| Allocation to study specialization All | | | | | Type of teaching, group size, if applicable Supervised external project | | | | | |
| Can also be credited to study program | IN.IN. | | | Language of instruction | | | | | | |
| - | | T | Germ | an | | | | | | |
| Requirements according to examination r | regulations | Recommended pre | requisites | | | | | | | |
| Study/examination achievements/ exami Project work with colloquium - | nation types | If applicable, weigh | ting of the st | udy/exan | nination ach | lievements | | | | |
| Module objectives/desired learn | ing outcomes: | | | | | | | | | |
| Practical training projects can be Depending on the task, a subject cooperation with an engineering defined in terms of content and out solutions largely independer They are able to assess the effec make technical and economic as | t-specific or interdiscipl g firm, a company, a spo scope, carry out experi ntly. cts and consequences o | linary project wit ecialist authority imental (laborato of the solutions t | h high pra , etc. Studo pry/field) in | ctical re ents dea nvestiga | al with a t itions if ne | ask that is ecessary, a | narrowly and work | | | |
| Practical projects with different to The assignment is coordinated w task of the Bachelor's thesis and | vith the students, the p | roject partners a | nd the sup | ervisor | s for the i | | | | | |
| • · · · · · · · · · · · · · · · · · · · | | | | | | | | | | |
| Course attendance time (in man | | Workload (in h | | 11.0.000 | | | | | | |
| Entire teaching staff, per studen | t 0.2 LVS | Course attenda Lecture | nce time | Home | study e accompa | anving | | | | |
| | - | Exercise | 3 h | | accompa am prepa | | 177 h | | | |
| | - | Other | | | 1 -1- | | | | | |
| Total classroom time | 0.2 LVS | Total workload | | | | | 180 h | | | |
| Optional extra | | 1 | | | | | 1 | | | |
| Literature is listed in Stud.IP | | | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last update | ed |
|-----------------------------------|--|---|--------------------------------------|----------------------------------|------------------------|--------------|-------------------|--------------|
| Bachelor of W | ood Engineering | Special | project | BH | V 99 | | 01.09.20 | 18 |
| Study semester 7th semester | Offered in WS + SS | _ Special | project | Credit | points | | Semester v n/a | veek hours |
| Allocation to study | | Responsible for modu | e | | f teaching, | group size, | if applicable | |
| All | | N.N. | | - | | | eld exercis | es |
| Can also be credite | d to study program | | | Germ | ge of instr Nan | uction | | |
| Requirements acco | rding to examination reg | ulations | Recommended | | | | | |
| | achievements/ examina vith colloquium | tion types | If applicable, we | ighting of the s | tudy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | |
| Depending on cooperation w | the task, a subject-s ith an engineering fi | arried out in all the s pecific or interdiscip rm, a company, a sp ed to assess follow-u | linary project v ecialist authori | with high pra ity, etc., in w | actical re hich the | student, | largely inc | dependently, |
| Contents: | | | | | | | | |
| | | n the fields of wood hosen by the studen | | r interdiscipl | inary Th | e assignm | nent will ta | ke into |
| | | | | | | | | |
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| | | | | | | | | |
| Course attenda | ince time (in manda | tory hours - LVS) | Workload (in | hours) | | | | |
| All professors, | | 0.2 LVS | Course atten | | Home | study | | |
| | | - | Lecture | | Course | accompa | | |
| | | - | Exercise | 3 h | and ex | am prepa | aration | 177 h |
| T . 4 . 1 . 1 | | - | Other | | | | | 4001 |
| Total classroon Optional extra | n time | 0.2 LVS | Total worklo | aɑ | | | | 180 h |
| optional extra | | | | | | | | |
| Literature | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | Module name | | | | Last updated | | | |
|--|---|-----------------------|------------------------|------------------|---|-------------|------------------------------|---|--|--|
| Bachelor of Wo | ood Engineering | CAD/CAM a | nd ioinerv in | BH | V 10 | | 14.03.2019 | | | |
| Study semester 5th semester | Offered in WS | wood cor | • | Credit p 6 CP | oints | | Semester week hours 4 SWS | | | |
| Allocation to study | | Responsible for modul | | Type of | Type of teaching, group size, if applicable | | | | | |
| Structural wood Can also be credited | | Prof. DrIng. Volk | ker Krämer | Languag | Language of instruction | | | | | |
| - | | | | Germ | | action | | | | |
| Requirements acco | rding to examination regu | llations | Recommended prer | | - | | | | | |
| Study/ovamination | achiovomonts/ovaminati | ion types | BH 3-2 ; BH 3-5 | | | instion ach | iovomonto | | | |
| Study/examination achievements/ examination types If applicable, weighting of the stud Written examination (K1) | | | | | | | levenients | | | |
| | ith colloquium | | | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | | | |
| _ | | | | | | | | | | |
| Students | | •: | ith an acial variation | | | | - | | | |
| | dependently design se CAD programs and | | | | | | | - | | |
| requirements | | i to input the wood | structures into CF | Comple | etery and | | ig to the machine s | , | | |
| | se dimensioning prog | grams and design th | e timber structure | es with di | mensior | ning prog | rams | | | |
| | rt machine data for | | | | | | | | | |
| | with a timber constru | | | | | | | | | |
| learn how to | assemble and disass | emble wooden stru | ctures | | | | | | | |
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| Contents: | | | | | | | | | | |
| Planning and | design of wooden st | ructures in accorda | nce with machine | requirem | ents | | | | | |
| • Static calcula | tion of wooden struc | ctures | | | | | | | | |
| • Use of CAD/C | ' | | | | | | | | | |
| - | oodworking maching | | | | | | | | | |
| • Joining, asser | nbly and disassembly | y of wooden structu | res | | | | | | | |
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| | | | | | | | | | | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in ho | ours) | | | | | | |
| Prof. Dr. V. Krä | mer | 2 LVS | Course attendar | nce time | Home | study | | | | |
| Teaching assist | ant | 2 LVS | Lecture | 30 h | | accomp | | | | |
| | | - | Exercise | 30 h | and ex | am prepa | ration 120 h | | | |
| _ | | - | Other | | | | | | | |
| Total classroom | n time | 4 LVS | Total workload | | | | 180 h | | | |
| Optional extra | | | | | | | | | | |
| | | | | | | | | | | |
| Literature | | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | | |
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| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | |
|---|----------------------|-------------------------|------------------|--|--------------|---------------------------|--|--|--|
| Bachelor of Wood Engineering | Special are | BH | V 31 | | 23.08.2018 | | | | |
| Study semester Offered in 5th semester WS | - | eering | Credit p 6 CP | ooints | - | Semester week hours 4 SWS | | | |
| Allocation to study specialization | Responsible for modu | le | | | | if applicable | | | |
| Structural wood engineering | Prof. DrIng. Voll | ker Krämer | | Lecture with exercises Language of instruction | | | | | |
| Can also be credited to study program Bachelor of Civil Engineering | | | Germ | | uction | | | | |
| Requirements according to examination regu | lations | Recommended pr | | | | | | | |
| Successful completion of BH 3-2 or | | BH 2-12 | | | | | | | |
| Study/examination achievements/ examinati | on types | If applicable, weig | hting of the st | tudy/exan | nination ach | lievements | | | |
| Written examination (K2) | | | | | | | | | |
| - | | | | | | | | | |
| Module objectives/desired learning | outcomes: | | | | | | | | |
| Students | | | | | | | | | |
| are able to independently design | more complex com | ponents of timbe | er structure | es in bui | Iding con | struction in | | | |
| accordance with standards | | | | | | | | | |
| learn further joining techniques a | | | | | | | | | |
| learn to design connections and the second sec | - | nal stresses in th | e compone | ents | | | | | |
| learn how to verify cross laminate are enabled to design plate-shape | | susing the shear | analogy m | ethod | | | | | |
| are enabled to design place shape | | susing the shear | analogy in | ctilou | | | | | |
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| Contents: | | | | | | | | | |
| | | | | | | | | | |
| Advanced topics in connection teo Multi-section connections | chnology in timber o | construction | | | | | | | |
| Interaction of different conn | ection methods | | | | | | | | |
| Spring approaches (yielding) | | ion | | | | | | | |
| • Evidence of components subjecte | | | | | | | | | |
| • Evidence of breakthroughs in larg | e-format componer | nts | | | | | | | |
| Determination of stresses in cross | laminated timber e | elements | | | | | | | |
| Thrust analogy | | | | | | | | | |
| | | | | | | | | | |
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| | | 1 | | | | | | | |
| Course attendance time (in mandat | ory hours - LVS) | Workload (in h | - | | | | | | |
| Prof. Dr. V. Krämer | 4 LVS | Course attenda | | Home | | | | | |
| | - | Lecture | 40 h | | accompa | | | | |
| | - | Exercise | 20 h | and ex | am prepa | ration 120 h | | | |
| Total classroom time | - | Other Total workload | 4 | | | 190 h | | | |
| Total classroom time Optional extra | 4 LVS | Total workload | μ | | | 180 h | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Literature | | | | | | | | | |
| is listed in Stud.IP | | | | | | | | | |
| | | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | |
|---|---|---------------------------|------------------------|----------------------|--------------|---------------|--|--|
| Bachelor of Wood Engineering | Woode | Wooden bridge | | V 33 | | 23.08.2018 | | |
| Study semester Offered in SS 5th semester | | ruction | | Credit points Semest | | | | |
| Allocation to study specialization | Responsible for modu | le | | teaching, | group size, | if applicable | | |
| Structural wood engineering | Prof. DrIng. Voll | ker Krämer | Lecture with exercises | | | | | |
| Can also be credited to study program | | | | ge of instr | uction | | | |
| Bachelor of Civil Engineering Requirements according to examination regu | lations | Recommended p | Germ | an | | | | |
| Successful completion of BH 3-2 or | | BH 2-12 | rerequisites | | | | | |
| Study/examination achievements/ examinati | | If applicable, wei | ghting of the st | udy/exam | nination ach | ievements | | |
| Student research paper with colloq | uium | | | | | | | |
| Module objectives/desired learning | outcomes: | | | | | | | |
| Students • are able to independently design • learn about load assumptions and • learn about structural wood prote • are enabled to design footbridges | l regulations for wo ection for wooden b | oden bridges. pridges. | | structio | n. | | | |
| | | | | | | | | |
| Contents: | | | | | | | | |
| General introduction to wooden biology Historical wooden bridges Development of wooden bridgy Examples Load assumption for wooden bride Materials / structural wood protestication Load-bearing systems Student research paper | ges ction | | | | | | | |
| Course attendance time (in mandat | ory hours - LVS) | Workload (in | hours) | | | | | |
| Prof. Dr. V. Krämer | 4 LVS | Course attend | T + | Home | | | | |
| | - | Lecture | 20 h | | accompa | | | |
| | - | Exercise | 40 h | and ex | am prepa | ration 120 h | | |
| | - | Other | | | | | | |
| Total classroom time Optional extra | 4 LVS | Total workloa | ad | | | 180 h | | |
| Literature | | | | | | | | |
| is listed in Stud.IP | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updat | ted |
|---|---|---|---|------------------|-------------|--------------|-------------------|------------|
| Bachelor of Wo | ood Engineering | Fire safety | and wood | BH | V 34 | | 01.09.20 | 018 |
| Study semester 5th semester | Offered in WS | preser | vation | Credit p 6 CP | ooints | | Semester 4 SWS | week hours |
| Allocation to study Structural wood | | Responsible for modul | | | - | group size, | if applicable | 5 |
| Can also be credite | | Prof. DrIng. Sabi | ine iffert-Schier | | ge of instr | uction | | |
| - | | | I | Germ | | | | |
| Requirements acco | rding to examination regu | lations | Recommended pr Solid construc | | | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weig | | tudy/exam | nination ach | nievements | |
| Seminar paper | | | | _ | | | | |
| - | | | | | | | | |
| Module objectiv | ves/desired learning | outcomes: | | | | | | |
| safety and woo 2. Knowledge o 3. Knowledge o 4. Knowledge o 5. Ability to tak | eive a basic introduc od preservation and a of the legal regulation of the terminology us of fire safety and woo se into account the re a compliance with sta f structures | are sensitized to this ns ed in fire safety and od preservation in st equirements of fire s | s subject matter d wood preserva tructures safety and wood | tion | | | | |
| Basic princip Fire, burning Structural fir Building mat Construction Fire safety for Fire safety construction Basic princip Animal and Structural weight | g, definition, origin re safety rerials, building produ n, escape routes, stain or special buildings oncepts | ucts, building parts rs, necessary corrido | | | | | | |
| Course attenda | ince time (in mandat | ory hours - LVS) | Workload (in l | hours) | | | | |
| Prof. Dr. S. Iffe | | 2 LVS | Course attend | | Home | | | |
| Teaching assist | ant | 2 LVS | Lecture | 60 h | | accompa | | 120 h |
| | | | Exercise Other | | anu ex | am prepa | aration | 12011 |
| Total classroon | n time | 4 LVS | Total workloa | d | 1 | | | 180 h |
| Optional extra Literature is listed in Stu | d.IP | | | | | | | |
| | | | | | | | | |

| Allocation to course of study | Module name | | Course | code | Internal | Last updated | | | |
|---|---|---|----------------|-------------------------|---------------------|------------------------|--|--|--|
| Bachelor of Wood Engineering | Fire s | afety | BH | V 35 | | 23.10.2020 | | | |
| Study semester Offered in | | Credit | points | | Semester week hours | | | | |
| 5th semester WS Allocation to study specialization | Responsible for modul | 0 | 3 CP | fteaching | group size | 2 SWS if applicable | | | |
| Structural wood engineering | Prof. Dr. Sabine If | | Lectu | - | group size, | | | | |
| Can also be credited to study program | | | | Language of instruction | | | | | |
| Requirements according to examination regu | lations | Recommended pr | Germ | nan | | | | | |
| Requirements according to examination repu | | Solid construc | | | | | | | |
| Study/examination achievements/ examinati | on types | If applicable, weig | hting of the s | tudy/exam | ination ach | ievements | | | |
| Written examination (K1) | | | | | | | | | |
| Module objectives/desired learning 1. Students receive a basic introduct safety and wood preservation and 2. Knowledge of the legal regulation 3. Knowledge of the terminology us 4. Knowledge of fire safety and wood 5. Ability to take into account the represervation in compliance with sconstruction of structures | tion to the multifact d are sensitized to t s ed in fire safety and od preservation in st quirements of fire s | his subject matt I wood preserva cructures safety and wood | er. ation | | | | | | |
| Contents: Fire safety 1. Standards, regulations and codes 2. Basic principles 3. Fire, burning, definition, origin 4. Structural fire safety 5. Building materials, building produ 6. Construction, escape routes, stain 7. Fire safety for special buildings 8. Fire safety concepts | ucts, building parts | ors | | | | | | | |
| | | | | | | | | | |
| Course attendance time (in mandat | ory hours - 11/S) | Workload (in l | hours) | | | | | | |
| Teaching assistant | 2 LVS | Course attend | | Home | studv | | | | |
| | | Lecture | 30 h | 1 | accompa | anying | | | |
| | | Exercise | | and exa | am prepa | ration 60 h | | | |
| | | Other | l | | | | | | |
| Total classroom time | 2 LVS | Total workloa | d | | | 90 h | | | |
| Optional extra | | | | | | | | | |
| is listed in Stud.IP | | | | | | | | | |

| Allocation to cours | e of study | Module nan | ne | | Course cod | e Interna | l Last updated | | |
|--|--|---|--|---|--|----------------|---|--|--|
| Bachelor of W | ood Engineering | Ste | el ens | gineering | BHV | 39 | 01.09.2018 | | |
| Study semester 5th semester | Offered in WS | | | , | Credit point 6 CP | | Semester week hours 4 SWS | | |
| Allocation to study Structural wood | | Responsible | | ^e anie Steppeler | Type of teaching, group size, if applicable Lecture with integrated exercises | | | | |
| | d to study program | PT01. D1 | ing. ster | Language of instruction | | | | | |
| - | rding to examination reg | ulations | | Recommended prer | German | | | | |
| Requirements acco | rung to examination reg | guiations | | BH 1-1, BH 1-4, | | | | | |
| Written exami - | achievements/ examina nation (K2) ves/desired learnin | | | If applicable, weight | ing of the study | /examination a | chievements | | |
| - | onents in steel cons ed the basic standar of stability | | | | - | in steel stru | ctures that are at | | |
| Contents: • Steel and ste | el products, materia | al properties | | | | | | | |
| Introduction Basic principl steel constru Basic principl Basic principl | - | nensioning s and design c and design c na of stability | tandards of simple of simple y specific | in steel construct tension and com bolted and welde to steel construct | pression mei ed joints tion | | ll as bending girders in ubject to stability | | |
| | | | | | | | | | |
| | ince time (in manda | | - | Workload (in ho | - | | | | |
| Currently, tead | cning assistant | 4 | LVS | Course attendar | ice time H | ome study | | | |

| currently, teaching assistant | 4 2 4 5 | course attendance time | | Home Study | |
|-------------------------------|---------|------------------------|------|----------------------|-------|
| | - | Lecture | 60 h | Course accompanying | |
| | - | Exercise | | and exam preparation | 120 h |
| | - | Other | | | |
| Total classroom time | 4 LVS | Total workloa | d | | 180 h |
| Optional extra | | | | | |

Literature

is listed in Stud.IP

| Allocation to cours | e of study | Module name | | Course | code | Internal | Last update | ed |
|---|---|---|--|---|--|-------------------------|---------------------|-------------|
| Bachelor of W | or of Wood Engineering Energy-efficient buildin | | | | V 40 | | 01.09.20 | 18 |
| Study semester 5th semester | Offered in SS | | | Credit 6 CP | points | 1 | Semester v 4 SWS | veek hours |
| - | engineering d to study program | Responsible for modul Prof. DrIng. Alfre | | Lectu | re with ge of instr | exercise | if applicable | |
| Requirements acco | rding to examination regu | ulations | Recommended pre | requisites | | | | |
| | achievements/ examinat ch paper without co | | If applicable, weigh | ting of the s | tudy/exam | nination ach | nievements | |
| Module objecti | ves/desired learning | outcomes: | | | | | | |
| Holistic assess systems accord Students gain design Knowledge of Knowledge of Knowledge of criteria Ability to deve | the connection betwo ment of building con ding to energy efficie knowledge of energy energy efficiency sta the options for passiv cools and methods for lop project-specific o practice in project w | cepts and analysis of ncy criteria efficient design and ndards and energy b we and active use of or a planning and cou | f materials, struc l construction in palancing regenerative ene nstruction proces | tures and the overa ergies es optimiz | building Il contex ed accor | t of build ding to e | ing nergy effic | · |
| Energy needs Development Legal regulati Energy baland Basic principl Basic principl Energy needs Building energy Energy-optim Passive and a Energy efficie Environments Examples of balance | gy, sustainability in the building life c of environmentally ons and requirement te in buildings es of energy balancir and balancing accor gy standards: Passive ized building plannir ctive planning strate ncy in existing buildi ally compatible build puildings in detail | and climate-compat ts: EnEV, EEWärmeG ng: Balancing area, b ding to EnEV for resi e house, KfW efficier ng Building structure gies for reducing eno ngs ing materials and str | 6, EEG, EU Buildir alancing criteria idential and non- ncy house, zero, p , building enclosu ergy needs and o ructures | g Directiv and balan residentia olus energ ure, buildi ptimizing | re, etc. cing limi al buildin sy house ng servio | igs ces Buildi | ngs as ene | rgy systems |
| Course attenda | ince time (in mandat | tory hours - LVS) 4 LVS | Workload (in he Course attenda | | Homo | ctudy | | |
| TIOL DI. A. DR | aneiman | - | t | 45 h | Home Course | accompa | anying |] |
| | | - | Exercise Other | 15 h | - | am prepa | | 120 h |
| Total classroon | n time | 4 LVS | Total workload | | | | | 180 h |
| Optional extra | | | 1 | | | | | 1 |
| Literature is listed in Stu | d.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | |
|---|--|---|---|--|-----------|---------------------------|---------------|--|--|
| Bachelor of Wo | ood Engineering | Building acou | BH | V-44 | | 01.02.2019 | | | |
| Study semester 5th semester | Offered in WS | struc | Credit p 3 CP | points | | Semester week hours 2 SWS | | | |
| Allocation to study | | Responsible for modu | | | | | if applicable | | |
| Structural wood | | Prof. Dr. A. Breuk | kelman | Lecture, with some parts as a seminar Language of instruction | | | | | |
| - | a to study program | | | German | | | | | |
| Requirements acco | rding to examination re | gulations | Recommended prere | quisites | | | | | |
| | | | | | | | | | |
| | achievements/ examination | ation types | If applicable, weighti | ng of the s | tudy/exan | nination ach | nievements | | |
| Written exami | | | | | | | | | |
| Madula abiactiv | ves/desired learnir | a outcomos: | | | | | | | |
| - Ability to eval - Ability to perf - Ability to perf | uate building acou | tical relationships in vo stical situations in wo stical calculations and detailed planning in g/building acoustics a | ood structures I preliminary dime accordance with b | uilding a | | | ments | | |
| Analysis of co Building site r | mponents and stru neasurements and application technol | building acoustics in | | nstructio | n accord | ling to DI | N 4109 | | |
| Course attenda | nce time (in manda | atory hours - LVS) | Workload (in ho | urs) | | | | | |
| DiplIng. G. Sp | | 2 LVS | Course attendan | | Home | study | | | |
| | | | Lecture 2 | 20 h | | e accomp | anying | | |
| | | - | Exercise | | and ex | am prepa | aration 60 h | | |
| | | - | Other 1 | L0 h | | | | | |
| Total classroom | n time | 2 LVS | Total workload | | | | 90 h | | |
| Optional extra Literature is listed in Stur | d.IP | | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated | | |
|------------------------------------|--------------------------|------------------------|----------------------------------|--|--------------------|--------------|---------------|--|--|
| Bachelor of Wo | ood Engineering | FEM in strue | structural wood BHV-47 29.07.202 | | | | | | |
| Study semester 5th semester | Offered in WS | engine | | Credit points Semester week hou 6 CP 4 SWS Type of teaching, group size, if applicable | | | | | |
| Allocation to study | | Responsible for modul | | | | | if applicable | | |
| Structural wood | | Prof. DrIng. V. K | rämer | | act studi | | | | |
| Can also be credite | d to study program | | | Germ | ge of instr Ian | uction | | | |
| Requirements acco | rding to examination reg | ulations | Recommended pre | | | | | | |
| | | | Static 1 to 3, V | Vood engir | neering | 1 und 2 | | | |
| - | achievements/ examinat | | If applicable, weigh | hting of the s | tudy/exam | nination ach | lievements | | |
| Student resear | ch paper with colloo | quium | | | | | | | |
| - | | | | | | | | | |
| Module objectiv | ves/desired learning | g outcomes: | | | | | | | |
| Students | | | | | | | | | |
| | owledge on how FE | M programs work | | | | | | | |
| | - | nmonly used in the c | onstruction indu | istry with | confider | ice | | | |
| | e results of compute | | | | connuci | | | | |
| | | and post-processing | ξ. | | | | | | |
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| Contents: | | | | | | | | | |
| | 6 11 11 6 | | | | | | | | |
| | reas of application f | | - f | | | | | | |
| - | led solution of equa | ctures with systems | or equations | | | | | | |
| | re of FEM programs | | | | | | | | |
| | to an FEM system | | | | | | | | |
| | - | e field of timber cons | struction | | | | | | |
| | f flat and spatial stat | | | | | | | | |
| | | nection stiffnesses a | and eccentricitie | S | | | | | |
| Quality contr | ol of the static calcu | lation | | | | | | | |
| Using a spread | dsheet program wit | h a macro language | for pre- and pos | t-processir | ng | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Course attenda | nce time (in manda | tory hours - LVS) | Workload (in h | ours) | | | | | |
| DiplIng. C. Se | | 4 LVS | Course attenda | | Home | studv | | | |
| 1 0. 2. 20 | | - | Lecture | 45 h | | accompa | anying | | |
| | | - | Exercise | 15 h | | am prepa | | | |
| | | - | Other | | | | | | |
| Total classroon | n time | 4 LVS | Total workload | ł | | | 180 h | | |
| Optional extra | | I | 1 | | | | I | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Literature | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | |
| | | | | | | | | | |

| Bachelor of Wood Engineering Study semester Offered in 4th semester SS Allocation to study specialization Structural wood engineering Can also be credited to study program - - Requirements according to examination reg Study/examination achievements/ examina Student research paper with colloor | Responsible for modu Prof. DrIng. V. K | Krämer | BHV-48 Credit points 6 CP Type of teaching Contact stud Language of inst | Sem 4 S g, group size, if app | 07.2021 ester week hours WS licable | | | | |
|---|---|--|---|-------------------------------------|--|--|--|--|--|
| 4th semester SS Allocation to study specialization Structural wood engineering Can also be credited to study program - Requirements according to examination reg Study/examination achievements/ examination | Responsible for modu Prof. DrIng. V. K | gineering ^{Ile} Krämer | 6 CP Type of teaching Contact stud | 4 S g, group size, if app | WS | | | | |
| Study/examination achievements/ examina | gulations | | | | | | | | |
| | | Recommended prerequisites | | | | | | | |
| | | Lectures in wood engineering 1 and 2, static | | | | | | | |
| - | | If applicable, weightin | g of the study/exa | mination achievem | ents | | | | |
| Module objectives/desired learning Students • acquire knowledge of the advant • know criteria used for structural • know the relationships between • are able to analyze existing timbe | ages and disadvanta design. design and the statio | - | uctural designs | | | | | | |
| Contents: • Discussion of typical wooden stru • Bracing of the supporting structu • Room support structures and gir • Design of connections and support | ıres via planar prima der grids | ry and secondary sy | | | | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in hou | rs) | | | | | | |
| DiplIng. C. Seifart | 4 LVS | Course attendanc | | study | | | | | |
| | | Lecture 60 Exercise Other | | e accompanyin xam preparatic | - | | | | |
| Total classroom time | 4 LVS | Total workload | I | | 180 h | | | | |
| Optional extra | | | | | | | | | |

| Allocation to course | of study | Module name | | Course | code | Internal | Last updated | |
|--|---|---|------------------------------------|-----------------|--------------|---------------------|---------------------------|----------|
| Bachelor of Wo | achelor of Wood Engineering | | I practical | BH | V 02 | | 01.02.2019 | |
| Study semester 5th semester | Offered in WS | | training project 6 CP 4 | | | | Semester week ho 4 SWS | urs |
| Allocation to study Furniture and int | | Responsible for modul | | | | | if applicable | |
| Can also be credited | | Prof. DrIng. Frar | ik Prekwinkei | | ige of instr | exercises uction | | |
| - | | | I | Germ | | | | |
| Requirements accor | ding to examination regu | lations | Recommended p | rerequisites | | | | |
| Study/examination | achievements/ examinati | on types | If applicable, weig | ghting of the s | tudy/exam | nination ach | ievements | |
| Student resear | ch paper with colloq | uium | | | | | | |
| - | | | | | | | | |
| Module objectiv | es/desired learning | outcomes: | | | | | | |
| Independent v Independent v Within the product of Knowledge of Knowledge of | vork with CNC mach vork with CAD/CAM execution of projects oject work they deve the structure of CAD the different proces cation of theoretical | systems s in groups lop their own team, D/CAM systems and sing strategies | , conflict, facilita | | eadershi | o skills | | |
| Conversion of Programming Milling technol Multi-side production 4/5 axes simu Structure of d Data exchange 3D digitization Practical appli | taneous processing ifferent CAD/CAM sy e between different | ins into 3D models u cessing axes ng axes vstems and how the CAD/CAM systems and material knowle | using 5-axis tech y work dge | nology | | g machino | 25 | |
| Course attenda | nce time (in mandat | ory hours - LVS) | Workload (in | hours) | | | | |
| Teaching assist | | 2 LVS | Course attend | | Home | study | | |
| DiplIng. N. Lin | | 2 LVS | Lecture | 30 h | Course | accompa | | |
| | | - | Exercise | 30 h | and ex | am prepa | ration 120 l | h |
| Total classroom | | - | Other Total workloa | | | | 402 | |
| Optional extra | ume | 4 LVS | | ia | | | 180 | <u>n</u> |
| Literature is listed in Stud | J.IP | | | | | | | |

| Allocation to course | e of study | Module name | | Course | code | Internal | Last updated |
|---|---|--|---------------------|--------------|-------------|--------------|---------------------|
| Rachelor of Wood Engineering | | omputer- | BH | V 03 | | 01.09.2018 | |
| Study semester | Offered in | CIM – Computer- integrated furniture | | Credit p | ooints | | Semester week hours |
| 5th semester | WS | - | | 6 CP | | | 4 SWS |
| Allocation to study | specialization | Responsible for modu | acturing | Type of | toaching | group sizo | if applicable |
| Furniture and int | | Prof. DrIng. Fran | | Lectu | | group size, | паррисаріе |
| Can also be credited | d to study program | | | | ge of instr | uction | |
| - | rding to overningtion rea | ulations | Recommended pr | Germ | an | | |
| Requirements acco | rding to examination reg | ulations | BH 4-8, BH 4-9 | | | | |
| Study/examination | achievements/ examina | tion types | If applicable, weig | | tudy/exam | nination ach | lievements |
| Project work w | ith colloquium | | | | | | |
| - | | | | | | | |
| potential applic and componen | cations. They also le | tegies for modern co arn about the select acquire basic knowl /stems (PPS/ERP). | ion, implementa | ation and ir | tegratio | on strateg | ies for CIM systems |
| Scope of servi Development Integration still Interfaces and Outlook on fu | rategies I limits ture developments nagement and contr | ce evaluation sed on examples of | production strat | egies | | | |
| Course attenda | nce time (in manda | tory hours - LVS) | Workload (in h | nours) | | | |
| Prof. Dr. F. Pre | · · · · · · · · · · · · · · · · · · · | 4 LVS | Course attenda | | Home | study | |
| | | - | Lecture | 60 h | | accomp | |
| | | - | Exercise | | and ex | am prepa | aration 120 h |
| | | - | Other | | | | |
| Total classroom | n time | 4 LVS | Total workload | d | | | 180 h |
| Optional extra | | | | | | | · · · · |
| Field trips | | | | | | | |
| Literature is listed in Stud | d.IP | | | | | | |

| Allocation to course of study | Module name | | Course co | ode | Internal | Last updated | | | |
|---|------------------------|---------------------|---------------------|--|------------------------------|-----------------|--|--|--|
| Bachelor of Wood Engineering | Additive p | BHV | / 04 | | 01.09.2018 | | | | |
| Study semesterOffered in5th semesterWS | techn | Credit poi 6 CP | ints | | Semester week hours 4 SWS | | | | |
| Allocation to study specialization Furniture and interior finishing | Responsible for modu | le | | Type of teaching, group size, if applicable Project work, max. of 12 participants | | | | | |
| Can also be credited to study program | N.N. | | | Language of instruction | | | | | |
| - | | | Germai | | | | | | |
| Requirements according to examination reg | ulations | Recommended pr | | | | | | | |
| Study/examination achievements/ examina | tion types | Knowledge co | | | | | | | |
| Project work with colloquium | tion types | ii applicable, weig | sinting of the stat | ay/exam | | levements | | | |
| - | | | | | | | | | |
| Module objectives/desired learning | g outcomes: | | | | | | | | |
| | - | | | | | | | | |
| Module objectives/desired learnin | g outcomes: | | | | | | | | |
| | | | | | | | | | |
| Application of methods for identify and application of methods for ger | | otential in the fu | rniture secto | r, selec | tion | | | | |
| Selection and application of methods | - | | | | | | | | |
| | 04140 | | | | | | | | |
| Creation of prototypes (rapid proto | otyping) on HAWK ea | quipment | | | | | | | |
| Digital collaborative knowledge do | cumentation and dig | gital collaborativ | ve knowledge | e mana | gement (| wikis). | | | |
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| Contents: | | | | | | | | | |
| | | | | | | | | | |
| Description of contents: Development of furniture, furnitur | e details or related t | onics using the | design techni | iaues fi | rom the F | 3H2-8 Design | | | |
| Theory module and extensive CAD | | | | iques ii | onn the t | JIZ-0 Design | | | |
| Implementation of the concept as | | | pid prototyp | ing tec | hniques, | if necessary in | | | |
| combination with skilled trade tech | nniques, 3D data acq | uisition and the | use of C-tecl | hnologi | ies | | | | |
| Project-related knowledge docume | entation and knowle | dge managemer | nt in a projec | t-relate | ed topic v | viki | | | |
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| | | | | | | | | | |
| Course attendance time (in manda | tory hours - LVS) | Workload (in l | hours) | | | | | | |
| DiplIng. E. Puls, M.A. | 4 LVS | Course attend | | Home s | studv | | | | |
| p | - | Lecture | | | accompa | anying | | | |
| | - | Exercise | | | am prepa | | | | |
| | - | Other | | | | | | | |
| Total classroom time | 4 LVS | Total workloa | d | | | 180 h | | | |
| Optional extra | | | | | | | | | |
| | | | | | | | | | |
| 1.14 | | | | | | | | | |
| Literature is listed in Stud.IP | | | | | | | | | |
| is iisteu iii stuu.ip | | | | | | | | | |
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| I Engineering Offered in VS cialization | Experiment | Module name | | Course code | | Internal Last upda | | |
|--|--|---|--|---|---|--|--|--|
| VS cialization | Experimental furniture | | | V 05 | | 01.02.2 | 019 | |
| | - | sign | Credit p 6 CP | oints | | Semester 4 SWS | week hours | |
| or finishing | Responsible for modu Prof. Dr. Frank Pr | | | Type of teaching, group size, if applicable Lecture | | | | |
| study program | | | Langua; Germ | ge of instr an | uction | | | |
| g to examination regu | lations | Recommended pre | erequisites | | | | | |
| | | If applicable, weigh | nting of the st | udy/exan | nination ach | ievements | | |
| paper with colloq | uium | | | | | | | |
| ize and take advar for special require | ntage of material pr ements in technical | - | | Il of the | furniture | e making f | ïeld. | |
| erials in technical re using convention | and/or design term onal and unconvent | tional materials | | | | | | |
| | | | | | | | | |
| e time (in mandate | ory hours - LVS) | Workload (in h | ours) | | | | | |
| e time (in mandato t | ory hours - LVS) 4 LVS | Workload (in h Course attenda | - | Home | | | | |
| | | Course attenda Lecture | ince time 10 h | Course | accompa | | 120 h | |
| | | Course attenda | ince time | Course | | | 120 h | |
| | paper with colloque /desired learning ize and take advar for special require urage unconvention urage unconvention urage urag | for special requirements in technical urage unconventional thinking nventional materials erials in technical and/or design term ire using conventional and unconven | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are for special requirements in technical and/or design for urage unconventional thinking | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typica for special requirements in technical and/or design form urage unconventional thinking nventional materials rerials in technical and/or design terms ire using conventional and unconventional materials | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typical of the for special requirements in technical and/or design form urage unconventional thinking nventional materials rerials in technical and/or design terms ire using conventional and unconventional materials | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typical of the furniture for special requirements in technical and/or design form urage unconventional thinking nventional materials registerials in technical and/or design terms ire using conventional and unconventional materials | paper with colloquium /desired learning outcomes: ize and take advantage of material properties that are not typical of the furniture making f for special requirements in technical and/or design form urage unconventional thinking eventional materials serials in technical and/or design terms ire using conventional and unconventional materials | |

| | ocation to course of study Module name | | | | code | Internal | Last update | | |
|--|--|--|--|--------------------------|----------|--------------|---------------------|----------------|--|
| Bachelor of Wood Engineering Freehand drawing for | | BH | V 06 | 01.02 | | 19 | | | |
| Study semester 5th semester | Offered in WS | | engineers Responsible for module | | oints | | Semester w 4 SWS | veek hours | |
| Allocation to study Furniture and int | | Responsible for modu Prof. Dr. Frank Pr | | Type of Lectu | _ | group size, | if applicable | | |
| Can also be credited | d to study program | | Language of instruction German | | | | | | |
| Requirements acco | rding to examination re | gulations | Recommended pre | requisites | | | | | |
| | achievements/ examin | | If applicable, weigh | nting of the st | udy/exam | nination ach | ievements | | |
| - Student resear | ch paper with collo | oquium | | | | | | | |
| /lodule objectiv | ves/desired learnii | ng outcomes: | | | | | | | |
| ····· | , | 0 | | | | | | | |
| | | tools, such as a ruler o | | | | | | | |
| - Representing | ideas in the form o | of sketches as a mean | s of communicat | ion | | | | | |
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| ontents: | | | | | | | | | |
| | | | | | | | | | |
| - Lessons on ho | w to skotch and d | 214/ | | | | | | | |
| | w to sketch and d | | tion | | | | | | |
| | | raw ovement and clarificat | tion | | | | | | |
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| - Criticism and | guidance for impro | ovement and clarificat | | ours) | | | | | |
| - Criticism and p | guidance for impro | atory hours - LVS) | Workload (in h | - | Home | study | | | |
| - Criticism and | guidance for impro | ovement and clarificat | Workload (in h Course attenda | nce time | Home | | | | |
| - Criticism and p | guidance for impro | atory hours - LVS) | Workload (in h Course attenda Lecture | nce time 10 h | Course | accompa | | 120 h | |
| - Criticism and p | guidance for impro | atory hours - LVS) | Workload (in h Course attenda Lecture Exercise | nce time | Course | | | 120 h | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) | Workload (in h Course attenda Lecture Exercise | nce time 10 h 50 h | Course | accompa | | 120 h 180 h | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | | |
| - Criticism and p | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | | |
| - Criticism and p Course attenda Teaching assist | nce time (in mand ant | atory hours - LVS) 4 LVS | Workload (in h Course attenda Lecture Exercise Other | nce time 10 h 50 h | Course | accompa | | | |

| Allocation to course Bachelor of We | e of study Dod Engineering | Module name | - | Course | code V 07 | Internal | Last update 01.09.202 | |
|--|---|---|---|--|---------------------|----------------------|--------------------------|-----------|
| Study semester 5th semester Allocation to study Furniture and in Can also be credite | | Responsible for modul Prof. DrIng. Fran | | Credit points 6 CP Type of teaching, group si Lecture with exercis Language of instruction | | | | |
| - | rding to overside the res | wlations | Decemmended prov | Germ | nan | | | |
| Requirements acco | rding to examination reg | guiations | Recommended prere | equisites | | | | |
| | achievements/ examina vith colloquium | tion types | If applicable, weight | ing of the s | tudy/exan | nination ach | nievements | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | |
| processing in fi production pla individuality ar | urniture and interio nning, NC programr | cessing. Furthermore r design (planning, or ning) in such a way th n using CAD/CAM tec | rder entry, order p nat efficiency and | processin | g, desigi | n, parts li | sts, work so | chedules, |
| | bject-oriented CAD ocesses and organiz | | | | | | | |
| - Requirements schedules, pro | s within the process duction planning, N | es for planning, orde | | _ | - | | iterial, wor | k |
| - Definition of | parts lists and produ analyses, evaluation | | | | | | | |
| Course attenda | ince time (in manda | atory hours - LVS) | Workload (in ho | urs) | | | | |
| Prof. Dr. F. Pre | | 2 LVS | Course attendan | ice time | Home | | | |
| Teaching assist | ant | 2 LVS - | Exercise 3 | 30 h 30 h | | e accomp am prepa | | 120 h |
| Total classroon | n time | - 4 LVS | Other Total workload | | | | | 180 h |
| Optional extra | | | 1 | | | | | |
| is listed in Stu | d.IP | | | | | | | |

| Allocation to course of study Bachelor of Wood Engineering | | Module name | | Course | code | Internal | Last updated | | |
|---|--|---|---------------------------|--|--|-----------------|------------------------------|--------|--|
| | | IMOS 2 – Practical | | | BHV 08 | | 01.09.2018 | | |
| Study semester 5th semester | Offered in WS | examples fo CAD/ | Credit p 6 CP | Credit points 6 CP | | | Semester week hours 4 SWS | | |
| Allocation to study specialization Furniture and interior finishing Can also be credited to study program | | Responsible for module Prof. DrIng. Frank Prekwinkel | | | Type of teaching, group size, if applicable Lecture with exercise | | | | |
| | | | | Language of instruction German | | | | | |
| Requirements acco | ording to examination re | gulations | Recommended pre BHV 07 | erequisites | | | | | |
| | achievements/ examina vith colloquium | ation types | If applicable, weigh | nting of the st | udy/exan | nination acl | nievements | | |
| - | | | | | | | | | |
| Module objecti | ves/desired learnin | ng outcomes: | | | | | | | |
| Chudana | on thoir | ling of the use of the | oot originated CAP | | nie | uole | aviaturat 1 | | |
| | | ding of the use of obj | | | | | | | |
| | - | kamples will also be in | - | | - | s. The ma | in focus will | be on: | |
| - Handling a cι | istomer-specific pro | oject from initial plan | ning to CNC mach | nine conne | ction | | | | |
| - Creation of p | roduct catalogs with | h configuration logic | and pricing meth | odology | | | | | |
| - | - | ed business models fo | | | | | | | |
| - | | structure common int | - | | oroduct | ion proce | esses and ont | imize | |
| | odern software tech | | | i ai i i cai cai cai cai cai cai cai cai | 0100000 | | soes and opt | | |
| them using me | Juenti sontware tech | inologies. | | | | | | | |
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| Cambanta | | | | | | | | | |
| Contents: | | | | | | | | | |
| - | | ge regarding object- | | M systems | 5 | | | | |
| - Connection o | f CNC machines, op | timization of the mad | chining strategy | | | | | | |
| - Analysis of cu | istomer requiremen | nts, product catalogs, | and fulfillment p | rocesses v | vhen us | ing Interr | et-based ord | ler | |
| fulfillment syst | | | | | | - | | | |
| - | | r the customized conf | figuration of furn | iture elem | ents | | | | |
| - | roduct catalogs | | ingulation of fam | | CIICS | | | | |
| | - | | | | | | | | |
| | • | on and pricing logistic | CS | | | | | | |
| - Practical exar | nples | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | r | | | | | | |
| | ance time (in manda | | Workload (in hours) | | | | | | |
| Prof. Dr. F. Pre | - | 2 LVS | Course attenda | | | | | | |
| Teaching assis | tant | 2 LVS - | Lecture | 30 h | | | | | |
| | | | Exercise 30 h | 30 h | and ex | kam preparation | aration 1 | 120 h | |
| | | - | Other | | | | | | |
| Total classroor | n time | 4 LVS | Total workload | | | | 1 | 180 h | |
| Optional extra | | | | | | | | | |
| Field trips | | | | | | | | | |
| | | | | | | | | | |
| Literature | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | |
| | | | | | | | | | |
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| Allocation to course of study | | Module name | | Course c | | Internal | Last updated | | | |
|---|---|--|---|--|---------------------------------|---------------------------|--------------|--|--|--|
| Bachelor of Wood Engineering | | Digitization | | / 09 | | 01.09.2018 | | | | |
| Study semester 5th semester | Offered in WS | and furnitu | 6 CP | | | Semester week hours 4 SWS | | | | |
| Allocation to study specialization Furniture and interior finishing Can also be credited to study program | | Responsible for modu | | Type of teaching, group size, if applicable | | | | | | |
| | | Prof. DrIng. Frank Prekwinkel | | Lecture with exercises Language of instruction | | | | | | |
| - | | | | Germa | an | | | | | |
| Requirements acco | rding to examination re | gulations | Recommended prer | requisites | | | | | | |
| | achievements/ examina ch paper with collo | | If applicable, weight | ting of the stu | udy/exan | nination ach | nievements | | | |
| Module objectiv | ves/desired learnin | g outcomes: | | | | | | | | |
| This course is c industry examp Students shoul strategies for p | lesigned to familiar ples are to be analy d be able to evalua | | chnologies from In s factors identified heir own and othe | dustry 4.0 d. er people's | and io ⁻ digitiza | T. In addit ation idea | | | | |
| • | • | dustry 4.0 and interr | | | | | | | | |
| | ferent digitization | technologies, espec strategies from the U | | | / | | | | | |
| - | | ration in the furnitu | - | | | | | | | |
| Strategies for Practical example | - | process management | t | | | | | | | |
| | | elected practical exa | Imples | | | | | | | |
| | | oased on selected pr | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Course attenda | Course attendance time (in mandatory hours - LVS) | | | Workload (in hours) | | | | | | |
| Prof. Dr. F. Pre | | 2 LVS | Course attendar | | Home study | | | | | |
| Teaching assist | tant | 2 LVS | | | · _ ' | | | | | |
| | | - | + + | 30 h | | aration 120 h | | | | |
| Total classroon | time | - 4 LVS | Other Total workload | | | | 180 h | | | |
| Optional extra | | 4 LV3 | | | | | 100 [] | | | |
| Field trips | | | | | | | | | | |
| Literature | | | | | | | | | | |
| is listed in Stu | d.IP | | | | | | | | | |
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March 2022

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