| Course information | |
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| **Academic Unit** | **Faculty of Architecture and Interior Design** |
| **Program** | **Interior Architecture and Furniture Design** |
| **Subject name** | **Construction of Furniture and Interior** |
| **Level** | **Bachelor** |
| **Course status** | **Mandatory** |
| **Study year** | **II** |
| **Hours per week** | **3** |
| **ECTS** | **7** |
| **Time/location** | **UASF** |
| **Course conveyor** | |
| **Contact details** | |
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| **Course description** | Knowledge of wood products where constructions, constructional elements, carpentry connections, principles of construction, design methods and the application of structures to various furniture and interior products are applied. |
| **Course objectives:** | Course Objectives of Wood Constructions I consist of introducing students to the methods of designing and presenting wood products and materials through paper drawing, as well as their detailing and scaling to meet functional requirements, which will serve them in their further practical application and implementation. |
| **Learning outcomes:** | *By the end of this course, students will be able to:*<br>• Recognize the types of wood products and interior works<br>• Understand product breakdowns and constructive elements<br>• Apply the basic principles in construction and interconnection with carpentry<br>• Draw projects with the application of constructions<br>• Develop and successfully design engineering projects by using design and construction knowledge |
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| **Contribution to the student workload (which should correspond to the students' learning outcomes)** | | | |
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| **Activity** | **Classes** | **Days/Weeks** | **Total** |
| Lectures | 2 | 15 | 30 |
| Theoretical/lab exercises | 1 | 15 | 15 |
| Practical work | 2 | 2 | 4 |
| Teacher contacts/consultations | 1 | 6 | 6 |
| Field work | 0 | 0 | 0 |
| Mid-term exams and seminar papers | 3 | 2 | 6 |
| Homework | 3 | 11 | 33 |
| Student self-study time (at home/library) | 2 | 5 | 10 |
| Final exam preparation | 3 | 20 | 60 |
| Assessment (tests, quizzes, final exam) | 1 | 4 | 4 |
| Projects, presentations, etc. | 4 | 1 | 4 |
| **Total** | | | **172** |

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| **Teaching methodology:** | *Lectures through drawings, projections, presentations, exercises, assignments, case studies, projects and discussions* |
| **Assessment methods:** | *Class attendance: 10%*<br>*Participation: 10%*<br>*Graphical assignments: 60%*<br>*Final exam: 20%*<br>*Total: 100%* |
| **References** | |
| **Basic literature:** | *[1] Nutsch, W., Hanbuch der Konstruktion: Mobel und Einbauschranke, Stuttgart, 1999.*<br>*[2] Ruske, W., Timber Construction for Trade, Industry, Administration, Basel-Berlin-Boston, 2004.*<br>*[3] Stjepan T., Silvana P., Konstrukcije Proizvoda od Drva, Zagreb, 2000.*<br>*[4] Vinko Rozman," Konstrukcije v lesarstvu "1, 2, 3, 4, Ljubljana,1987 / 90.*<br>*[5] T . Grueski, N. Simakovski," Elementi na drvnite konstrukcii" Skopje,2002* |
| **Additional literature:** | *[1] Breis, F., Drabek, E., Gruber, D., Hauke, ... DER TISCHLER 2, Bohman Verlag, Wien, 1995.*<br>*[2] Z. Žagar, Timber struktures II, University textbook, Zagreb, 2003.* |

| **The theory vs practice ratio** | *Theory 30%, Practice 70%.* |
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| **A designed lesson plan:** | |
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| **Week** | **Lectures and exercises to be carried out** |
| **Week one:** | *Structure and course aims.*<br>*Classification of wooden products.* |
| **Week two:** | *Product breakdown.* |
| **Week three:** | *Construction elements* |
| **Week four:** | *The connection of details in associations and complexes.*<br>*Adhesive connection.* |
| **Week five:** | *Carpentry connections.* |
| **Week six:** | *Non-adhesive connections.* |
| **Week seven:** | *Basic principles in construction.* |
| **Week eight:** | *Mid-term exam I* |
| **Week nine:** | *Quality control of ready-made products.* |
| **Week ten:** | *Methods of reviewing the quality of furniture and the interior.* |
| **Week eleven:** | *Projection and construction methods.* |
| **Week twelve:** | *Cupboards and sideboards.* |
| **Week thirteen:** | *Tables and chairs* |
| **Week fourteen:** | *Armchairs, beds, and multi-purpose furniture.* |
| **Week fifteen:** | *Mid-term exam II* |

| **Academic policies and code of conduct** |
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| *Rules on regular attendance and good behavior during the teaching/learning process are set.* |