

**FACULTY OF
MECHANICAL
ENGINEERING
AND
DESIGN**

- Courses from the Bachelor's degree programme **MECHANICAL ENGINEERING**
- Courses from the Bachelor's degree programme **MECHATRONICS**
- Courses from the Bachelor's degree programme **VEHICLE ENGINEERING/ AVIATION ENGINEERING**
- Courses from the Bachelor's degree programme **FASHION ENGINEERING**
- Courses from the Bachelor's degree programme **INDUSTRIAL DESIGN ENGINEERING**
- Master's degree programme of **INDUSTRIAL ENGINEERING AND MANAGEMENT**
- Master's degree programme of **MECHANICAL ENGINEERING**
- Master's degree programme of **MECHATRONICS**
- Courses from the Master's degree programme **FASHION INNOVATION TECHNOLOGIES**

***Important note!**

Some courses will be offered only if a sufficient number of students register for the course.

**Courses from the Bachelor's degree programme
MECHANICAL ENGINEERING**

2nd semester (spring)

Course code	Course title	ECTS Credits
P190B231	Theoretical Mechanics	6
T450B103	Materials Science and Engineering	6

4th semester (spring)

T200B109	Applied Thermodynamics and Hidromechanics	6
T170B168	Fundamentals of Electrotechnic and Electronic	6
T210B147	Structural Integrity	6
T210B200	Machine Dynamics	6

**Courses from the Bachelor's degree programme
MECHATRONICS**

2nd semester (spring)

Course code	Course title	ECTS Credits
P190B231	Theoretical Mechanics	6
T210B001	Fundamentals of Mechatronics	3
T450B102	Materials Engineering	3

4th semester (spring)

T170B168	Fundamentals of Electrotechnic and Electronic	6
T210B147	Structural Integrity	6
T200B109	Applied Thermodynamics and Fluid Mechanics	6
T120B008	Signals Theory	3
T125B005	Computer-aided Devices Control Systems	3

6th semester (spring)

T120B007	Microprocessor Technique	6
T125B001	Automatic Control Fundamentals	6
T130B147	Robotic Manufacturing Systems	6

**Courses from the Bachelor's degree programme
FASHION ENGINEERING**

Course code	Course title	ECTS Credits	Semester
T150B189	Computer-aided Design of Clothing 1	6	spring
T470B131	Design and Technology of Knits	6	spring

**Courses from the Bachelor's degree programme
VEHICLE ENGINEERING/ AVIATION ENGINEERING**

Course code	Course title	ECTS	Semester
T190B302	Electric Drives	6	spring
T310B010	Air Law	3	spring
T280B613	Road Vehicles Theory	6	spring
T455B102	Engines of Vehicles	6	spring

**Courses from the Bachelor's degree programme
Industrial Design Engineering**

Course code	Course title	ECTS Credits	Semester
W240B010	Product Design	6	spring
W240B101	Fundamentals of Design	6	spring

**Courses from the Master's degree programme
Fashion Innovation Technologies**

Course code	Course title	ECTS Credits	Semester
T00M161	Research Project	6	spring
T150M147	Fashion Product Exploitation Modelling	6	spring

**Courses from the Master's degree programme
INDUSTRIAL ENGINEERING AND MANAGEMENT**

2nd semester (spring)

T210M134	Industrial Maintenance	6
T130M016	Quality Management	6
S191M013	Industrial Marketing	6
T210M023	Computer-Aided Analysis of Structures	6

3rd semester (spring)

T130M125	International Industry and Business	6
T130M833	Computer Integrated Manufacturing	6
S190M102	Engineering Projects Management	6

**Courses from the Master's degree programme
MECHANICAL ENGINEERING**

T210M203	Applied Fluid Dynamics	6
T210M513	Computational Solid Mechanics	6
T125M262	Computer-Aided Control of Technological Equipment	6

**Courses from the Master's degree programme
MECHATRONICS**

T125M262	Computer-Aided Control of Technological Equipment	6
T210M032	Integrated CAD/CAE/CAM Systems	6
T210M134	Industrial Maintenance	6
T130M030	Automation of Production Processes	6