

# Faculty of Mechanical Engineering

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Faculty Website: [www.fstroj.uniza.sk/index.php/en/erasmus](http://www.fstroj.uniza.sk/index.php/en/erasmus)

## Bc. Degree

### Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
2Y001	Automation of Mechanical Engineering Production	all	4	DAaPS	English
2Y002	Thermomechanics	all	5	DPE	English
2Y003	Machine Building	all	6	DDaME	English
2Y004	Technical Chemistry	all	4	DME	English
2Y005	Quality of Material Checking	all	4	DME	English

### Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
2Y006	Mechanics of Materials I	all	7	DAME	English
2Y007	Automotive Engines I	all	7	DTTaHE	English
2Y008	Robots and Manipulators	all	4	DAaPS	English
2Y009	Transportation Systems	all	2	DTTaHE	English
2Y010	Alternative Energy Sources	all	7	DPE	English
2Y011	Applied Tribology	all	5	DDaME	English
2Y012	CAD Systems	all	3	DDaME	English
2Y013	Materials Science	all	5	DME	English

## MsC. Degree

### Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
2Y014	Applied Mathematics	all	6	DAM	English
2Y015	Experimental Methods in Mechanics	all	6	DAME	English
2Y016	Finite Element Method I	all	5	DAME	English
2Y017	Mechanics of Materials II	all	6	DAME	English
2Y018	Automotive Engines II	all	5	DTTaHE	English
2Y019	CAX Systems	all	5	DAaPS	English
2Y020	Expert Systems	all	5	DAaPS	English
2Y021	CNC Machine Tools Programming	all	6	DAaPS	English
2Y022	Maintenance Systems	all	5	DTTaHE	English
2Y023	Theory of Rail Vehicles	all	6	DTTaHE	English
2Y024	Fatigue of Materials	all	6	DME	English
2Y025	Methods of Structure Analysis	all	6	DME	English
2Y026	Corrosion and Surface Treatment	all	5	DME	English
2Y027	Theory of Cutting	all	6	DAME	English
2Y028	Operational Management	all	6	DIE	English
2Y029	Investment Casting Technology II	all	6	DTE	English
2Y030	Foreign language	all	6	IFL	English

### Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
2Y031	Finite Element Method II	all	5	DAME	English
2Y032	Ergonomics and Ecology of Means of Transport	all	6	DTTaHE	English
2Y033	Fractography	all	6	DME	English
2Y034	Machining of Hard-to-machine Materials	all	5	DAME	English
2Y035	Purchasing and Distribution Logistics	all	4	DIE	English
2Y036	Investment Casting Technology I	all	6	DTE	English
2Y037	Diploma Project	all	30	all	English
2Y038	Noise and Vibrations	all	6	DTTaHE	English
2Y039	Foreign language	all	6	IFL	English