

Mechanical Engineering – One-Year Master’s degree program

FIRST YEAR – Semester I

No.	Code	Course	Semester	Lectures	Exercises	ECTS	Unit
1	2MF202824	Modern Production Technologies and Processes	1	2	2	6	MF
2	2MF202824	Project Analysis	1	2	2	6	MF
3	2MF202924	Optimization Methods in Engineering	1	2	2	6	MF
4	2MF201924	3D Modelling and Visualization – Advanced Level	1	2	2	6	MF
5	*	Elective course (from Table 1.1)	1	2	2	6	-

FIRST YEAR – Semester II

No.	Code	Course	Semester	Lectures	Exercises	ECTS	Unit
1	2MF203024	Advanced CAD/CAM/CAE Technologies	2	2	2	6	MF
2	*	Elective course (from Table 1.2)	2	2	2	6	-

Table 1.1 – Elective Courses (Choose One)

No.	Code	Course	Semester	Lectures	Exercises	ECTS	Unit
1	2MF203124	Managing Project Risk	1	2	2	6	MF
2	2MF203224	Oscillations in Mechanical Engineering	1	2	2	6	MF
3	2MF202524	Advanced Automation of Machines	1	2	2	6	MF

		and Processes					
4	2TT203324	Mathematical Modelling of Processes	1	2	2	6	Faculty of Informatics

Table 1.2 – Elective Courses (Choose One)

No.	Code	Course	Semester	Lectures	Exercises	ECTS	Unit
1	2MF203424	Dynamics of Objects and Processes	2	2	2	6	MF
2	2MF203524	Engineering Project Management and Innovation	2	2	2	6	MF
3	2MF203624	Advanced Mechanical Systems	2	2	2	6	MF
4	2MF203724	Mathematics for Engineers	2	2	2	6	MF
5	2MF203824	Automation of Machines	2	2	2	6	MF
6	2MF203924	Fire Protection Engineering	2	2	2	6	MF
7	2MF204024	Pressure Equipment and Apparatus	2	2	2	6	MF