

## FACULTY OF TECHNOLOGY ERASMUS MOBILITY PROGRAMME COURSE LIST

## DEPARTMENT OF INDUSTRIAL DESIGN ENGINEERING

COURSE CODE	NAME OF COURSE	Semester	ECTS
<b>FALL SEMESTER</b>			
ETM101	Introduction to Industrial Design Engineering	1	2
ETM111	Computer Programming	1	4
ETM109	Engineering Drawing I	1	4
ETM211	Mechanism Technique	3	3
YDL281	Technical Foreign Language I	3	2
ETM203	Statics	3	4
ETM201	Materials Science	3	4
ETM205	Computer Aided Modelling	3	4
ETM301	Industrial Sheet Metal Die Design	5	5
ETM303	Machine Elements I	5	3
ETM305	Computer Aided Design II	5	3
ETM307	Thermodynamics	5	3
ETM401	Computer Aided Manufacturing I	7	3
ETM403	Industrial Design Application I	7	4
ETM405	3D Printers	7	3
<b>SPRING SEMESTER</b>			
ETM112	Engineering Drawing I	2	6
ETM104	Computer Aided Drafting	2	4
ETM204	Computer Aided Design I	4	3
ETM202	Basic Electric and Electronic	4	3
ETM206	Strength of Materials	4	3
ETM212	Dynamics	4	3
YDL282	Technical Foreign Language II	4	2
ETM302	Machine Elements II	6	3
ETM304	Industrial Mold Design	6	3
ETM306	Machine Tools and Apparatus Design	6	4
ETM308	Industrial Design Studio	6	3
ETM310	Fluid Mechanics	6	3
ETM402	Computer Aided Manufacturing II	8	3
ETM404	Industrial Design Application II	8	4
ETM406	Industrial Transport Systems	8	3

## DEPARTMENT OF INDUSTRIAL DESIGN ENGINEERING (PhD)

COURSE CODE	NAME OF COURSE	Semester	ECTS
<b>FALL SEMESTER</b>			
ETM801	Industrial Wind Turbine Systems		8
ETM805	Methods of Making the Invention		8
ETM809	Static Analysis of Mechanical Systems		8
ETM819	Industrial Plastic Products		8
ETM823	Mechanisms of Planetary Gear		8
ETM825	Quality Management		8
ETM897	Ph.D Seminar		6
ETM899	Ph.D Thesis Research		26

SPRING SEMESTER			
ETM804	CNC Systems Design		8
ETM806	Century Projects		8
ETM816	Industrial Polymer Composite Technologies		8
ETM808	Dynamic Analysis of Mechanical Systems		8
ETM820	Industrial Photo Technology		8
ETM897	Ph.D Seminar		6
ETM899	Ph.D Thesis Research		26

## DEPARTMENT OF INDUSTRIAL DESIGN ENGINEERING (Master)

COURSE CODE	NAME OF COURSE	Semester	ECTS
FALL SEMESTER			
ETM709	Scientific Research Techniques		8
ETM721	Analysis With Finite Element Method		8
ETM725	Cnc Programming and Industrial Applications		8
ETM729	Reliability of Machine Design		8
ETM731	Rapid Prototype Manufacturing Technologies		8
ETM735	Computer Integrated Manufacturing		8
ETM797	M. Sc. Seminar		6
ETM799	M. Sc. Thesis Research		26

SPRING SEMESTER			
ETM704	High Velocity Sheet Forming Applications		8
ETM706	Industrial Product Design Applications		8
ETM716	Materials Science and Mechanical Tests		8
ETM728	Dynamic Analyze		8
ETM732	Materials Selection In Design		8
ETM738	Advanced Design and Product Tecgnologies		8
ETM797	M. Sc. Seminar		6
ETM799	M. Sc. Thesis Research		26