



**TARSUS UNIVERSITY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>GRADUATE COURSES</b>					
<b>CODE</b>	<b>COURSE</b>	<b>T</b>	<b>A</b>	<b>C</b>	<b>ECTS</b>
LE 509	Scientific Research Techniques and Publication Ethics	2	0	2	0
LE 601	Development and Learning	3	0	0	7.5
LE 602	Planning and Evaluation in Teaching	3	0	0	7.5
MM 500	MSc Thesis Studies	0	0	0	30
MM 501	MSc Seminar	0	0	0	7.5
MM 600	PhD Thesis Studies	0	0	0	30
MM 601	PhD Seminar	0	0	0	7.5
MM 602	PhD Qualification	0	0	0	15
MM 603	PhD Thesis Proposal	0	0	0	30
MM 801	Field Courses	4	0	4	0
MM 802	Field Courses	4	0	4	0
MM 502	Advanced Engineering Mathematics	3	0	3	7.5
MM 503	Advanced Numerical Methods	3	0	3	7.5
MM 504	Conductive Heat Transfer	3	0	3	7.5
MM 505	Convective Heat Transfer	3	0	3	7.5
MM 506	Radiative Heat Transfer	3	0	3	7.5
MM 507	Advanced Fluid Mechanics	3	0	3	7.5
MM 508	Boundary Layer Theory	3	0	3	7.5
MM 509	Advanced Thermodynamics	3	0	3	7.5
MM 510	Gas Dynamics	3	0	3	7.5
MM 511	Theory of Elasticity	3	0	3	7.5
MM 512	Theory of Plasticity	3	0	3	7.5
MM 513	Mechanical Behaviour of Materials	3	0	3	7.5
MM 514	Fracture Mechanics	3	0	3	7.5
MM 515	Mechanics of Composite Materials	3	0	3	7.5
MM 516	Advanced Strength of Materials	3	0	3	7.5
MM 517	Welding Ability of Metals	3	0	3	7.5
MM 518	Computer Aided Manufacturing	3	0	3	7.5
MM 519	Characterization of Polymer Materials	3	0	3	7.5
MM 520	Advanced Topics in Engines	3	0	3	7.5
MM 521	Rocket Engines	3	0	3	7.5
MM 522	Biofuels	3	0	3	7.5
MM 523	Heat and Mass Exchangers	3	0	3	7.5
MM 524	Cogeneration Systems	3	0	3	7.5
MM 525	Buoyancy Induced Flow and Heat Transfer	3	0	3	7.5
MM 526	Conjugate Heat Transfer	3	0	3	7.5
MM 527	Convection Heat Transfer in Porous Media	3	0	3	7.5
MM 528	Renewable Energy Systems	3	0	3	7.5
MM 529	Mass Transfer	3	0	3	7.5
MM 530	Turbulence Modelling	3	0	3	7.5
MM 531	Experimental Methods in Heat Transfer and Fluid Mechanics	3	0	3	7.5
MM 532	Computational Fluid Dynamics	3	0	3	7.5
MM 533	Two Phase Flow and Heat Transfer	3	0	3	7.5
MM 534	Exergy and Entropy Analysis	3	0	3	7.5
MM 535	Energy Economy and Analysis	3	0	3	7.5
MM 536	Building Energy Performance and Management	3	0	3	7.5
MM 537	Numerical Methods in Heat Transfer	3	0	3	7.5
MM 538	Similarity and Model Theory	3	0	3	7.5
MM 539	Drying Technology	3	0	3	7.5



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MM 540	Modern Welding Techniques and Equipments	3	0	3	7.5
MM 541	Corrosion and Surface Protection in Materials of Machines	3	0	3	7.5
MM 542	Measurement Systems in Manufacturing	3	0	3	7.5
MM 543	Advanced Topics in Control System Design	3	0	3	7.5
MM 544	Manufacturing Processes of Polymers	3	0	3	7.5
MM 545	Construction Systematics	3	0	3	7.5
MM 546	Industrial Robot and Automation	3	0	3	7.5