

Mechanical Engineering Undergraduate Course Schedule

Spring Term (2264)

Required Courses						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 0022	12423	Materials Structure & Properties	3	MWF	12:00-12:50pm	G30 Benedum
	12424	<i>recitation</i>	0	Tu	11:00-11:50am	G29 Benedum
ENGR 0135	12380	Statics & Mechanics of Materials 1	3	MWF	3:00-3:50pm	318 Benedum
ENGR 0145	12376	Statics & Mechanics of Materials 2	3	MWF	11:00-11:50am	343 Alumni
MEMS 0031	13270	Electrical Circuits	3	MWF	5:00-5:50pm	232 CL
MEMS 0031	21245	Electrical Circuits	3	MWF	9:00-9:50am	1502 WWPH
MEMS 0040	13271	Materials & Manufacturing	3	MWF	4:00-4:50pm	157 Benedum
	13272	<i>recitation</i>	0	Tu	4:00-4:50pm	157 Benedum
MEMS 0040	21247	Materials & Manufacturing	3	MWF	1:00-1:50pm	G29 Benedum
	13272	<i>recitation</i>	0	Tu	4:00-4:50pm	157 Benedum
MEMS 0051	13273	Introduction to Thermodynamics	3	MWF	9:00-9:50am	157 Benedum
MEMS 0051	21246	Introduction to Thermodynamics	3	MWF	5:00-5:50pm	157 Benedum
MEMS 0071	18915	Introduction to Fluid Dynamics	3	MWF	2:00-2:50pm	G29 Benedum
MEMS 1014	13958	Dynamic Systems	3	MWF	12:00-12:50pm	G37 Benedum
MEMS 1015	13970	Rigid-Body Dynamics	3	MWF	12:00-12:50pm	152 Chevron
MEMS 1015	31112	Rigid-Body Dynamics	3	MWF	3:00-3:50pm	150 Chevron
MEMS 1028	13971	Mechanical Design 1	3	MWF	1:00-1:50pm	150Chv/157Beh
MEMS 1029	13972	Mechanical Design 2	3	Th	4:00-6:30pm	332 CL
MEMS 1029	23992	Mechanical Design 2	3	MWF	3:00-3:50pm	104 Lawrence
MEMS 1041	14114	Mechanical Measurements 1	3	MW	5:00-5:50pm	104 Lawrence
	14115	<i>lab</i>	0	Tu	8:00-10:50am	SB 23 Benedum
	14116	<i>lab</i>	0	Tu	12:00-2:50pm	SB 23 Benedum
	14117	<i>lab</i>	0	Tu	3:00-5:50pm	SB 23 Benedum
	14118	<i>lab</i>	0	Th	12:00-2:50pm	SB 23 Benedum
	14119	<i>lab</i>	0	Th	3:00-5:50pm	SB 23 Benedum
	14798	<i>lab</i>	0	Th	8:00-10:50am	SB 23 Benedum
MEMS 1042	15910	Mechanical Measurements 2	3	TuTh	9:00-9:50am	229 Benedum
	22737	<i>lab</i>	0	Tu	10:00-11:50am	SB 27 Benedum
	15911	<i>lab</i>	0	Th	10:00-11:50am	SB 27 Benedum
	15942	<i>lab</i>	0	Th	1:00-2:50pm	SB 27 Benedum
	21430	<i>lab</i>	0	Tu	1:00-2:50pm	SB 27 Benedum
MEMS 1043	14799	Senior Design Project	3	TuTh	11:00am-12:25pm	318 Benedum
MEMS 1085	13274	Departmental Seminar	0	W	10:00-10:50am	121/105 Lwrnce

† Department Consent Required

‡ Instructor Consent Required

Electives						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 1050†	12381	Product Realization†	3	Tu	<i>see next page for instructions</i>	
ENGR 1090P†	21239	Engineering Cooperative Program†	1			
ENGR 1701	12531	Fundamentals of Nuclear Reactors	3	W	6:00-8:30 pm	157 Benedum
MEMS 1011	13957	Structure & Properties Lab	3	TuTh	1:00-3:50pm	G24 Benedum
MEMS 1020	14804	Mechanical Vibrations	3	W	4:00-6:30pm	309 Benedum
MEMS 1033	14805	Fracture Mechanics for Mfg & Perf	3	W	4:00-6:30pm	226 Benedum

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Electives (cont.)						
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MEMS 1048	27721	Analysis & Characterization at the Nano Scale	3	MWF	11:00-12:15pm	G28 Benedum
MEMS 1049	18606	Mechatronics	3	MWF	2:00-2:50pm	G23 PH
	32499	lab	0	W	5:00-6:50pm	SB 27 Benedum
	23993	lab	0	F	9:00-10:50am	SB 27 Benedum
	23994	lab	0	W	12:00-1:50pm	SB 27 Benedum
	23995	lab	0	W	3:00-4:50pm	SB 27 Benedum
	23996	lab	0	F	11:00am-12:50pm	SB 27 Benedum
MEMS 1053	31113	Structure of Crystals & Diffraction	3	MWF	1:00-1:50pm	G24 Benedum
MEMS 1055	31325	Comp Aided Analysis of Transport Phenom.	3	M	1:00-3:30pm	G36 Benedum
MEMS 1060	28734	Numerical Methods	3	W	10:00am-12:30pm	318 Benedum
MEMS 1063	23780	Phase Transformations	3	MWF	3:00-3:50pm	226 Benedum
MEMS 1065	14800	Thermal Systems Design	3	TuTh	2:30-3:45pm	G27 Benedum
MEMS 1070	14170	Mechanical Behavior of Materials	3	TuTh	9:30-10:45am	tbd
MEMS 1071	28742	Applied Fluid Mechanics	3	MWF	2:00-2:50pm	158 Benedum
MEMS 1074	32811	Nanomaterials and Biomolecular Assembly	3	M	4:00-6:25pm	G28 Benedum
MEMS 1097†	14802	Special Projects†	1-3	TBA		
MEMS 1098†	14803	Special Projects II†	1-3	TBA		
MEMS 1106	32820	Ironmaking and Steelmaking Processes	3	M	5:30-8:00pm	1045 Benedum
MEMS 1120	20656	Applied Engineering Simulation in Design	3	Tu	5:00-7:25pm	318 Benedum
MEMS 1121	20654	Applied Eng Simulation (Workshop)	1	M	6:00-6:50pm	318 Benedum
MEMS 1145	32371	Intro to Machine Learning for Engineers	1	MWF	4:00-5:15pm	318 Benedum
MEMS 1163	28476	Ceramic Materials	3	Th	4:00-6:30pm	406 IS
MEMS 1165	27722	Materials Design	3	Tu	4:00-6:30pm	158 Benedum
MEMS 1256	29767	Applied Computational Heat & Mass Trnsfr	3	TH	5:30-8:00pm	318 Benedum

Communications Skills Electives						
<u>Subj./Catlg#</u>	<u>Class #</u>	<u>Course</u>	<u>Units</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>
COMMRC 0500		Argument	3	See Class Search/Browse Catalog on my.pitt.edu		
COMMRC 0520		Public Speaking	3	See Class Search/Browse Catalog on my.pitt.edu		
ENGCOMP 0400		Written Professional Communication	3	See Class Search/Browse Catalog on my.pitt.edu		
ENGCOMP 0401	23034	Written Prof. Comm.: Topics in Diversity	3	MWF	11:00-11:50am	206 CI
ENGCOMP 0401	23035	Written Prof. Comm.: Topics in Diversity	3	MWF	1:00-1:50pm	206 CI
ENGCOMP 0412		Engineering Comm. in a Professional Context	3	See Class Search/Browse Catalog on my.pitt.edu		
ENGCOMP 0600	23248	Introduction to Technical Writing	3	Tu	6:00-8:30pm	216 CL
ENGCOMP 0600	21211	Introduction to Technical Writing	3	MWF	4:30-5:45pm	221 CL

ENGR 1050

To add this class, you will need permission from the instructor. Please email Dr. Winter (ewinter@pitt.edu) and let him know your academic level and reason why you are interested in the class.