

# Mechanical Engineering Undergraduate Course Schedule

## Spring Term (2214)

Required Courses						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 0022	12885	Materials Structure & Properties	3	MWF	12:10-1:00pm	Benedum G30
	12886	<i>recitation</i>	0	Tu	11:00-11:50am	Benedum G29
ENGR 0135	12825	Statics & Mechanics of Materials 1	3	MWF	3:25-4:15pm	Benedum 318
ENGR 0145	12821	Statics & Mechanics of Materials 2	3	MWF	3:25-4:15pm	
MEMS 0031	14375	Electrical Circuits	3	MWF	5:30-6:20pm	WWPH 5001
MEMS 0031	25408	Electrical Circuits	3	MWF	8:55-9:45am	Chevron 150
MEMS 0040	14376	Materials & Manufacturing	3	MWF	4:30-5:20pm	
	14377	<i>recitation</i>	0	Tu	8:55-9:45am	Alumni 112
MEMS 0040	25050	Materials & Manufacturing	3	MWF	1:15-2:05pm	Barco Law 113
	25051	<i>recitation</i>	0	Tu	8:55-9:45am	Lawrence 121
MEMS 0051	14378	Introduction to Thermodynamics	3	MWF	8:55-9:45am	Chevron 152
MEMS 0051	25049	Introduction to Thermodynamics	3	MW	5:30-6:45pm	Frick FA 125
MEMS 0071	21610	Introduction to Fluid Dynamics	3	MWF	2:20-3:10pm	
MEMS 1014	15432	Dynamic Systems	3	MWF	12:10-1:00pm	Chevron 150
MEMS 1015	15447	Rigid-Body Dynamics	3	TuTh	4:30-5:45pm	
MEMS 1028	15448	Mechanical Design 1	3	MWF	1:15-2:05pm	
MEMS 1029	15449	Mechanical Design 2	3	Th	4:30-6:55pm	Alumni 343
MEMS 1029	29294	Mechanical Design 2	3	MWF	3:25-4:15pm	Benedum 229
MEMS 1041	15605	Mechanical Measurements 1	3	MW	5:30-6:20pm	
	15606	<i>lab</i>	0	Tu	7:50-10:40am	Benedum SB23
	15607	<i>lab</i>	0	Tu	12:10-3:00pm	Benedum SB23
	15608	<i>lab</i>	0	Tu	3:25-6:15pm	Benedum SB23
	15609	<i>lab</i>	0	Th	12:10-3:00pm	Benedum SB23
	15610	<i>lab</i>	0	Th	3:25-6:15pm	Benedum SB23
	16529	<i>lab</i>	0	Th	7:50-10:40am	Benedum SB23
MEMS 1042	18004	Mechanical Measurements 2	3	TuTh	8:55-9:45am	Benedum 229
	18005	<i>lab</i>	0	Th	10:00-11:50am	Benedum SB27
	18051	<i>lab</i>	0	Th	1:15-3:05pm	Benedum SB27
	27109	<i>lab</i>	0	Tu	10:00-11:50am	Benedum SB27
	25323	<i>lab</i>	0	Tu	1:15-3:05pm	Benedum SB27
MEMS 1043	16530	Senior Design Project	3	TuTh	11:05-12:30pm	Benedum 318
MEMS 1085	14379	Departmental Seminar	0	Tu	10:00-10:50am	web based

† Department Consent Required

‡ Instructor Consent Required

Electives						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 1050†	12827	Product Realization†	3	Tu	6:00-8:35pm	Benedum G27
ENGR 1090P†	25041	Engineering Cooperative Program†	1			
ENGR 1701	12993	Fundamentals of Nuclear Reactors	3	W	6:30-9:00pm	
MEMS 1011	15431	Structure & Properties Lab	3	TuTh	1:15-4:05pm	Benedum G24
MEMS 1020	16536	Mechanical Vibrations	3	W	5:00-7:30pm	WPU G20
MEMS 1033	16537	Fracture Mechanics for Mfg & Perf	3	W	4:30-6:55pm	Benedum 226

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### Electives (cont.)

<u>Subj./Catlg#</u>	<u>Class #</u>	<u>Course</u>	<u>Units</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>
MEMS 1038	25180	Fundamentals of Engineering Projects	1	M	12:10-1:00pm	Benedum 318
MEMS 1049	21055	Mechatronics	3	MWF	2:20-3:10pm	
	29295	<i>lab</i>	0	M	12:10-2:00pm	Benedum SB27
	29298	<i>lab</i>	0	M	3:25-5:15pm	Benedum SB27
	29299	<i>lab</i>	0	W	12:10-2:00pm	Benedum SB27
	29301	<i>lab</i>	0	W	3:25-5:15pm	Benedum SB27
	29302	<i>lab</i>	0	F	11:05-12:55pm	Benedum SB27
MEMS 1051	15451	Applied Thermodynamics	3	MWF	11:05-11:55am	Benedum 226
MEMS 1055	28053	Comp Aided Analysis of Trans. Phenomena	3	Tu	6:30-9:00pm	Benedum G28
MEMS 1060	28104	Numerical Methods	3	Th	6:00-8:30pm	Lawrence 121
MEMS 1063	28687	Phase Transformations	3	MWF	3:25-4:15pm	Benedum 226
MEMS 1065	16531	Thermal Systems Design	3	TuTh	2:50-4:05pm	
MEMS 1070	15726	Mechanical Behavior of Materials	3	TuTh	9:25-10:40am	Benedum G30
MEMS 1071	21611	Applied Fluid Dynamics	3	MWF	10:00-10:50am	
MEMS 1097 <sup>†</sup>	16533	Special Projects <sup>†</sup>	1-3	TBA	TBA	
MEMS 1098 <sup>†</sup>	16534	Special Projects II <sup>†</sup>	1-3	TBA	TBA	
MEMS 1101	16395	Ferrous Physical Metallurgy	3	MWF	10:00-10:50am	Benedum G24
MEMS 1103	16535	Princ. & Appls of Steel Process/Design	3	MWF	8:55-9:45am	Benedum G24
MEMS 1111	30088	Materials for Energy Gen & Storage	2	Th	5:00-7:30pm	Barco Law Court
MEMS 1120	24246	Applied Engineering Simulation in Design	3	Tu	4:30-6:55pm	Benedum 318
MEMS 1121	24244	Applied Eng Simulation (Workshop)	1	M	6:30-7:20pm	Benedum 318
MEMS 1130	32583	Intro to Additive Mfg of Materials	3	F	2:20-4:50pm	Alumni 112
MEMS 1256	28054	Applied Computational Heat & Mass	3	Tu	4:30-6:55pm	Barco Law 107

### 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			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
COMMRC 0520		Public Speaking	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
ENGCOMP 0400		Written Professional Communication	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
ENGCOMP 0600	27901	Introduction to Technical Writing	3	TuTh	2:50-4:05pm	CL 206
ENGCOMP 0600	24989	Introduction to Technical Writing	3	TuTh	4:30-5:45pm	WWPH 5401