

# Mechanical Engineering Undergraduate Course Schedule

## Spring Term (2244)

Required Courses						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 0022	12571	Materials Structure & Properties	3	MWF	12:00-12:50pm	G30 Benedum
	12571	<i>recitation</i>	0	Tu	11:00-11:50am	G29 Benedum
ENGR 0135	12523	Statics & Mechanics of Materials 1	3	MWF	3:00-3:50pm	318 Benedum
ENGR 0145	12519	Statics & Mechanics of Materials 2	3	MWF	3:00-3:50pm	157 Benedum
MEMS 0031	13575	Electrical Circuits	3	MW	5:00-6:30pm	157 Benedum
MEMS 0031	22663	Electrical Circuits	3	MWF	9:00-9:50am	104 Lawrence
MEMS 0040	13576	Materials & Manufacturing	3	MWF	4:00-4:50pm	157 Benedum
	13577	<i>recitation</i>	0	Tu	4:00-4:50pm	157 Benedum
MEMS 0040	22665	Materials & Manufacturing	3	MWF	1:00-1:50pm	G29 Benedum
	22666	<i>recitation</i>	0	Tu	4:00-4:50pm	157 Benedum
MEMS 0051	13578	Introduction to Thermodynamics	3	MWF	9:00-9:50am	324 CL
MEMS 0051	22664	Introduction to Thermodynamics	3	MW	5:00-6:15pm	G8 CL
MEMS 0071	19927	Introduction to Fluid Dynamics	3	MWF	2:00-2:50pm	G29 Benedum
MEMS 1014	14345	Dynamic Systems	3	MWF	12:00-12:50pm	G37 Benedum
MEMS 1015	14357	Rigid-Body Dynamics	3	TuTh	2:30-3:45pm	120 Lawrence
MEMS 1028	14358	Mechanical Design 1	3	MWF	1:00-1:50pm	157 Benedum
MEMS 1029	14359	Mechanical Design 2	3	Th	4:00-6:30pm	G24 CL
MEMS 1029	25773	Mechanical Design 2	3	MWF	3:00-3:50pm	104 Lawrence
MEMS 1041	14501	Mechanical Measurements 1	3	MW	5:00-5:50pm	332 CL
	14502	<i>lab</i>	0	Tu	8:00-10:50am	SB23 Benedum
	14503	<i>lab</i>	0	Tu	12:00-2:50pm	SB23 Benedum
	14504	<i>lab</i>	0	Tu	3:00-5:50pm	SB23 Benedum
	14505	<i>lab</i>	0	Th	12:00-2:50pm	SB23 Benedum
	14506	<i>lab</i>	0	Th	3:00-5:50pm	SB23 Benedum
	15282	<i>lab</i>	0	Th	8:00-10:50am	SB23 Benedum
MEMS 1042	16506	Mechanical Measurements 2	3	TuTh	9:00-9:50am	229 Benedum
	24303	<i>lab</i>	0	Tu	10:00-11:50am	SB27 Benedum
	16507	<i>lab</i>	0	Th	10:00-11:50am	SB27 Benedum
	16540	<i>lab</i>	0	Th	1:00-2:50pm	SB27 Benedum
	22880	<i>lab</i>	0	Tu	1:00-2:50pm	SB27 Benedum
MEMS 1043	15283	Senior Design Project	3	TuTh	11:00am-12:25pm	318 Benedum
MEMS 1085	13579	Departmental Seminar	0	W	10:00-10:50am	121 Lawrence

† Department Consent Required

‡ Instructor Consent Required

Electives						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 1050†	12524	Product Realization†	3	Tu	<i>see next page for instructions</i>	
ENGR 1090P†	22656	Engineering Cooperative Program†	1			
ENGR 1701	12679	Fundamentals of Nuclear Reactors	3	W	6:00-8:30 pm	11 Thaw
MEMS 1011	14344	Structure & Properties Lab	3	TuTh	1:00-3:50pm	G24 Benedum
MEMS 1020	15289	Mechanical Vibrations	3	W	4:00-6:30pm	107 Lawrence
MEMS 1033	15290	Fracture Mechanics for Mfg & Perf	3	W	4:00-6:30pm	226 Benedum

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Electives (cont.)						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
MEMS 1038	22769	Fundamentals of Engineering Projects	1	M	12:00-12:50pm	318 Benedum
MEMS 1048	31473	Analysis & Characterization at the Nano Scale	3	MWF	11:00-12:15pm	205 Lawrence
MEMS 1049	19396	Mechatronics	3	MWF	2:00-2:50pm	G23 PH
	25774	<i>lab</i>	0	M	12:00-1:50pm	SB27 Benedum
	25775	<i>lab</i>	0	M	3:00-4:50pm	SB27 Benedum
	25776	<i>lab</i>	0	W	12:00-1:50pm	SB27 Benedum
	25777	<i>lab</i>	0	W	3:00-4:50pm	SB27 Benedum
	25778	<i>lab</i>	0	F	11:00am-12:50pm	SB27 Benedum
MEMS 1063	25500	Phase Transformations	3	MWF	3:00-3:50pm	226 Benedum
MEMS 1065	15284	Thermal Systems Design	3	TuTh	2:30-3:45pm	G27 Benedum
MEMS 1070	14596	Mechanical Behavior of Materials	3	TuTh	9:30-10:45am	G30 Benedum
MEMS 1074	32085	Nanomaterials and Biomolecular Assembly	3	TuTh	6:00-7:30pm	139 CL
MEMS 1097 <sup>†</sup>	15286	Special Projects <sup>†</sup>	1-3	TBA		
MEMS 1098 <sup>†</sup>	15287	Special Projects II <sup>†</sup>	1-3	TBA		
MEMS 1105	32295	Steelmaking and Sustainability	3	M	5:30-8:00pm	300 OEH
MEMS 1120	22015	Applied Engineering Simulation in Design	3	Tu	4:00-6:25pm	318 Benedum
MEMS 1121	22013	Applied Eng Simulation (Workshop)	1	M	6:00-6:50pm	318 Benedum
MEMS 1130	31476	Intro to Additive Mfg of Materials	3	W	4:00-6:25pm	226 Benedum
MEMS 1163	27891	Ceramic Materials	3	Th	4:00-6:30pm	G36 Benedum
MEMS 1165	31474	Materials Design	3	Tu	4:00-6:30pm	158 Benedum
MEMS 1256	30037	Applied Comp Heat & Mass Transfer	3	Th	5:30-8:00pm	318 Benedum

Communications Skills Electives						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
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 0401	24626	Written Prof. Comm.: Topics in Diversity	3	TuTh	2:30-3:45pm	G18 CL
ENGCOMP 0401	24627	Written Prof. Comm.: Topics in Diversity	3	TuTh	9:30-10:45am	
ENGCOMP 0412		Engineering Comm. in a Professional Context	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
ENGCOMP 0600	24875	Introduction to Technical Writing	3	Tu	6:00-8:30pm	226 CL
ENGCOMP 0600	22618	Introduction to Technical Writing	3	TuTh	4:00-5:15pm	202 CL

### ENGR 1050

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