

Mechanical Engineering Undergraduate Course Schedule

Spring Term (2204)

| Required Courses | | | | | | |
|------------------|-----------|------------------------------------|---------------------------|------|---------------|---------------|
| Subj./Catlg# | Class # | Course | Units | Days | Time | Room |
| ENGR 0022 | 13001 | Materials Structure & Properties | 3 | MWF | 12:00-12:50pm | G30 Benedum |
| | 13002 | <i>recitation</i> | 0 | Tu | 11:00-11:50am | G29 Benedum |
| ENGR 0135 | 12932 | Statics & Mechanics of Materials 1 | 3 | MWF | 3:00-3:50pm | 318 Benedum |
| ENGR 0145 | 12925 | Statics & Mechanics of Materials 2 | 3 | MWF | 3:00-3:50pm | 157 Benedum |
| MEMS 0031 | 14584 | Electrical Circuits | 3 | MWF | 5:00-5:50pm | 157 Benedum |
| MEMS 0031 | 25808 | Electrical Circuits | 3 | MWF | 9:00-9:50am | 332 CL |
| MEMS 0040 | 14585 | Materials & Manufacturing | 3 | MWF | 4:00-4:50pm | 157 Benedum |
| | 14586 | <i>recitation</i> | 0 | Tu | 9:00-9:50am | 157 Benedum |
| MEMS 0040 | 25810 | Materials & Manufacturing | 3 | MWF | 1:00-1:50pm | 1502 WWPH |
| | 25811 | <i>recitation</i> | 0 | Tu | 9:00-9:50am | 332 CL |
| MEMS 0051 | 14587 | Introduction to Thermodynamics | 3 | MWF | 9:00-9:50am | 157 Benedum |
| MEMS 0051 | 25809 | Introduction to Thermodynamics | 3 | MWF | 5:00-5:50pm | 332 CL |
| MEMS 0071 | 22051 | Introduction to Fluid Dynamics | 3 | MWF | 2:00-2:50pm | 318 Benedum |
| MEMS 1014 | 15704 | Dynamic Systems | 3 | MWF | 12:00-12:50pm | 154 Chevron |
| MEMS 1015 | 15719 | Rigid-Body Dynamics | 3 | TuTh | 4:00-5:15pm | 157 Benedum |
| MEMS 1028 | 15720 | Mechanical Design 1 | 3 | MWF | 1:00-1:50pm | 157 Benedum |
| MEMS 1029 | 15721 | Mechanical Design 2 | 3 | Th | 4:00-6:25pm | 324 CL |
| MEMS 1029 | 31294 | Mechanical Design 2 | 3 | MWF | 3:00-3:50pm | A115 PH |
| MEMS 1041 | 15877 | Mechanical Measurements 1 | 3 | MW | 5:00-5:50pm | A224 Langley |
| | 15878 | <i>lab</i> | 0 | Tu | 8:00-10:50am | SB 23 Benedum |
| | 15879 | <i>lab</i> | 0 | Tu | 12:00-2:50pm | SB 23 Benedum |
| | 15880 | <i>lab</i> | 0 | Tu | 3:00-5:50pm | SB 23 Benedum |
| | 15881 | <i>lab</i> | 0 | Th | 12:00-2:50pm | SB 23 Benedum |
| | 15882 | <i>lab</i> | 0 | Th | 3:00-5:50pm | SB 23 Benedum |
| | 16834 | <i>lab</i> | 0 | Th | 8:00-10:50am | SB 23 Benedum |
| | MEMS 1042 | 18385 | Mechanical Measurements 2 | 3 | TuTh | 9:00-9:50am |
| MEMS 1042 | 18386 | <i>lab</i> | 0 | Th | 10:00-11:50am | SB 27 Benedum |
| | 18433 | <i>lab</i> | 0 | Th | 1:00-2:50pm | SB 27 Benedum |
| | 28156 | <i>lab</i> | 0 | Tu | 10:00-11:50am | SB 27 Benedum |
| | 26105 | <i>lab</i> | 0 | Tu | 1:00-2:50pm | SB 27 Benedum |
| | MEMS 1043 | 16835 | Senior Design Project | 3 | TuTh | 11:00-12:25pm |
| MEMS 1051 | 15723 | Applied Thermodynamics | 3 | MWF | 11:00-11:50am | 318 Benedum |
| MEMS 1071 | 22052 | Applied Fluid Dynamics | 3 | MWF | 10:00-10:50am | 324 CL |
| MEMS 1085 | 15489 | Departmental Seminar | 0 | Tu | 10:00-10:50am | 121 Lawrence |

† Department Consent Required

‡ Instructor Consent Required

| Electives | | | | | | |
|--------------|---------|-----------------------------------|-------|------|-------------|-----------------|
| Subj./Catlg# | Class # | Course | Units | Days | Time | Room |
| ENGR 1050† | 12934 | Product Realization† | 3 | Tu | 6:00-8:35pm | |
| ENGR 1090P† | 25800 | Engineering Cooperative Program† | 1 | | | |
| ENGR 1701 | 13119 | Fundamentals of Nuclear Reactors | 3 | W | 6:00-8:30pm | 129 Victoria |
| MEMS 1011 | 15703 | Structure & Properties Lab | 3 | TuTh | 1:00-3:50pm | G24 Benedum |
| MEMS 1020 | 16841 | Mechanical Vibrations | 3 | W | 4:00-6:30pm | G23 Public Hlth |
| MEMS 1033 | 16842 | Fracture Mechanics for Mfg & Perf | 3 | W | 4:00-6:25pm | 226 Benedum |

Mechanical Engineering Undergraduate Course Schedule

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| Electives (cont.) | | | | | | |
|------------------------|----------------|--|--------------|-------------|---------------|-----------------|
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| MEMS 1038 | 25956 | Fundamentals of Engineering Projects | 1 | M | 12:00-12:50pm | 318 Benedum |
| MEMS 1049 | 21487 | Mechatronics | 3 | MWF | 2:00-2:50pm | 1500 WWPH |
| | 3195 | <i>lab</i> | 0 | M | 12:00:1:50pm | SB 27 Benedum |
| | 31298 | <i>lab</i> | 0 | M | 3:00-4:50pm | SB 27 Benedum |
| | 31299 | <i>lab</i> | 0 | W | 12:00:1:50pm | SB 27 Benedum |
| | 31301 | <i>lab</i> | 0 | W | 3:00-4:50pm | SB 27 Benedum |
| | 31302 | <i>lab</i> | 0 | F | 11:00-12:50pm | SB 27 Benedum |
| MEMS 1055 | 29691 | Comp Aided Analysis of Trans. Phenomena | 3 | Tu | 6:00-8:30pm | G28 Benedum |
| MEMS 1060 | 29763 | Numerical Methods | 3 | Th | 5:30-8:00pm | 157 Benedum |
| MEMS 1063 | 30551 | Phase Transformations | 3 | MWF | 3:00-3:50pm | 226 Benedum |
| MEMS 1065 | 16863 | Thermal Systems Design | 3 | TuTh | 2:30-3:45pm | G27 Ben/158 Ben |
| MEMS 1070 | 16012 | Mechanical Behavior of Materials | 3 | TuTh | 9:30-10:45am | G30 Benedum |
| MEMS 1079 | 16837 | Senior Materials Research Project | 1-3 | TuTh | 2:00-4:50pm | |
| MEMS 1083 | 29777 | Robot Modeling and Control | 3 | Tu | 12:00-2:30pm | G27 Benedum |
| MEMS 1097 [†] | 16838 | Special Projects [†] | 1-3 | TBA | TBA | |
| MEMS 1098 [†] | 16839 | Special Projects II [†] | 1-3 | TBA | TBA | |
| MEMS 1101 | 16696 | Ferrous Physical Metallurgy | 3 | MWF | 10:00-11:50am | G24 Benedum |
| MEMS 1103 | 16840 | Princ. & Appls of Steel Process/Design | 3 | MWF | 11:00-11:50am | G27 Benedum |
| MEMS 1111 | 32234 | Materials for Energy Gen & Storage | 2 | Th | 4:00-6:30pm | 229 Victoria |
| MEMS 1120 | 24891 | Applied Engineering Simulation in Design | 3 | Tu | 4:00-6:25pm | 318 Benedum |
| MEMS 1121 | 24889 | Applied Eng Simulation (Workshop) | 1 | M | 6:00-6:50pm | 318 Benedum |
| MEMS 1163 | 29816 | Ceramic Materials | 3 | Th | 4:00-6:25pm | 363 CL |
| MEMS 1256 | 29693 | Applied Computational Heat & Mass | 3 | Th | 5:30-8:00pm | 318 Benedum |

| Communications Skills Electives | | | | | | |
|---------------------------------|----------------|------------------------------------|--------------|-------------|-------------|---|
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| 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 | 29441 | Introduction to Technical Writing | 3 | TuTh | 2:30-4:00pm | 204 CL |
| ENGCOMP 0600 | 25736 | Introduction to Technical Writing | 3 | TuTh | 4:00-5:15pm | G20 CL |