

**MCEN SCHEDULE OF COURSES  
SPRING 2010**

**Required Courses:**

Updated 10/05/09

<u>Course Number</u>	<u>Call #</u>	<u>Course Title</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>	<u>Instructor</u>
GEEN 1300- 100		Intro Engineering Computing	MW	0800-0850	MATH 100	Bradley
	16242	Rec 101	T	0500-0650	ECCH 107	
	16243	Rec 102	W	0100-0250	ECCH 107	
	16244	Rec 103	W	0300-0450	ECCH 107	
	16245	Rec 104	R	0800-0950	ECCH 107	
	16246	Rec 105	R	1000-1150	ECCH 107	
	16247	Rec 106	R	0100-0250	ECCH 107	
	16248	Rec 107	R	0300-0450	ECCH 107	
	16249	Rec 108	W	1100-1250	ECCH 107	
	16250	Rec 109	T	0800-0950	ECCH 107	
	16251	Rec 110	T	1000-1150	ECCH 107	
	16252	Rec 111	T	0100-0250	ECCH 107	
	16253	Rec 112	T	0300-0450	ECCH 107	
	25059	Rec 113	W	0500-0650	ECCH 107	
GEEN 1400- 030		First-Year Engr Projects	M	1100-1150	ITLL 160	Bunch
	16264	Lab 031	WF	1000-1150	ITLL 160	
GEEN 1400- 060		First-Year Engr Projects	M	0200-0250	ITLL 160	Knutsen, Jeff
	16271	Lab 061	MW	0200-0350	ITLL 160	
		You may take any section of GEEN1400, but Profs Bunch & Knutsen have ME sections				
MCEN 2024- 001	19217	Materials Science	TR	0200-0315	BESC 180	Scott, Tim
MCEN 2063-001	19218	Mechanics of Solids	TR	0930-1045	ECCR 265	Qi
MCEN 3022-001	19219	Heat Transfer	MWF	0200-0250	ECCR 1B40	Yang
MCEN 3025- 010		Component Design	TR	0200-0315	ECCR 1B40	Kotys-Schwartz
	24448	Lab 011	F	0300-0350	See Dept	
MCEN 3037-001	19221	Exp Design & Data Analysis-2 credits	MW	0300-0350	ECCR 265	Hannigan
MCEN 3043- 010		Dynamics	TR	1230-0145	ECCR 265	Castro
	19223	Lab 011	M	1100-1150	ECCE 141	
	19224	Lab 012	M	1200-1250	ECCE 141	
	19225	Lab 013	W	1100-1150	ECCE 141	
	19226	Lab 014	W	1200-1250	ECCE 141	
	19227	Lab 015	F	1100-1150	ECCE 141	
	19228	Lab 016	F	1200-1250	ECCE 141	
MCEN 3122-001	24755	Thermodynamics 2	MWF	1000-1050	ECCR 150	Miller
MCEN 3122-002	24756	Thermodynamics 2	MWF	0100-0150	ECCR 150	Miller
MCEN 4037-001	19229	Measurements Lab (2 credits)	TR	0330-0520	ITLL 1B10	Daily
MCEN 4047-801	24814	M.E. (Sr) Lab (2 credits)	TR	1000-1150	ITLL 1B10	Pellegrino
4047-802	24815	M.E. (Sr) Lab (2 credits)	MW	0300-0450	ITLL 1B10	Castro
MCEN 4085- 100		ME Design Project 2	MW	0200-0250	BESC 180	Pawlas
	25381	Lab 102	MWF	1100-1150		Pawlas
			MW	0900-1100pm		

25382 Lab 103	MWF 1100-1150 MW 0900-1100pm	Kotys-Schwartz
25384 Lab 104	MWF 1100-1150 MW 0900-1100pm	Bergquist
25385 Lab 105	MWF 1100-1150 MW 0900-1100pm	Ibanez
25386 Lab 106	MWF 1100-1150 MW 0900-1100pm	Lull
25387 Lab 107	MWF 1100-1150 MW 0900-1100pm	Zable
25388 Lab 108	MWF 1100-1150 MW 0900-1100pm	Rentschler
25390 Lab 109	MWF 1100-1150 MW 0900-1100pm	Feireisen
25391 Lab 110	MWF 1100-1150 MW 0900-1100pm	Kreith
25392 Lab 111	MWF 1100-1150 MW 0900-1100pm	Ferguson

### **Spring 2010 M.E. Technical Electives:**

<b><u>Course Number</u></b>	<b><u>Course Title</u></b>	<b><u>Days</u></b>	<b><u>Time</u></b>	<b><u>Room</u></b>	<b><u>Instructor</u></b>
MCEN 4115-010	Mechatronics & Robotics 1	MW	1200-1250	ITLL 1B50	Reamon
19244	Lab 011 (Attend Mon, Wed, and Fri.)	MW	0100-0150	ITLL 1B10	Reamon
		F	1200-0150	ITLL 1B10	Reamon
5115-010	Mechatronics & Robotics 1	MW	1200-1250	ITLL 1B50	Reamon
23495	Lab 011 (Attend Mon, Wed, and Fri.)	MW	0100-0150	ITLL 1B10	Reamon
		F	1200-0150	ITLL 1B10	Reamon
MCEN 4131-001	Air Pollution Control Engineering	TR	1230-0145	RAMY N1B23	Milford
5131-001	Prereq. MCEN 3021 "Fluids"				
MCEN 4183 001	Mechanics of Composite Materials	TR	0800-0915	ECCR 151	Dunn
5183 001	24455				
MCEN 4134-001	Biomechanics	MWF	1000-1050	DUAN G125	Ferguson
5228-001	Prereq. MCEN 2024 "Materials", MCEN 2063 "Solids", MCEN 3021 "Fluid Mechanics"				
MCEN 4228-002	TPC: Flow Visualization	MWF	0300-0350	ITLL 1B50	Hertzberg
MCEN 5228-002	24452				
MCEN 4228-003	TPC: Wind Energy	TR	0200-0315	MUEN E064	Pawlas
MCEN 5228-003	24453 Prereq. Two of the following three: MCEN 3021 "Fluids" (or ASEN 3111 or CVEN 3313 or GEEN 3853 or equivalent), MCEN 3043 "Dynamics" (or ASEN 2003 or CVEN 3111 or equivalent), MCEN 3010 "Circuits" (or ASEN 3300 or ECEN 2250 or equivalent).				
MCEN 4228-005	TPC: Intro to Polymers	MWF	0100-0150	MUEN E064	Ding
MCEN 5228-005	23499				
MCEN 4848	TPC: Independent Study Get application form from Larry. Then here are 2 ways you can approach a faculty member. 1) You can ask them please to mentor you for a project you have in mind. 2) You can ask if you could please help them with a project they're working on. Independent Study represents an opportunity for students to participate in a wide variety of research activities. Go to the M.E. website faculty list ( <a href="http://www.colorado.edu/mechanical">www.colorado.edu/mechanical</a> ) to see what areas individual faculty are active in, and make direct contact with the faculty whose research interests you to learn what indep. study opportunities they have available.				Various

**Spring 2010 Graduate Courses:**

(Seniors may take 5000-level courses as M.E. Tech Electives with instructor's permission.)

<u>Course Number</u>	<u>Course Title</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>	<u>Instructor</u>
MCEN 5022-001	19285 Thermodynamics	MWF	0200-0250	ECCR 151	Daily
MCEN 5027-001	19286 Graduate Seminar (1 credit)	R	0330-0445	ECCR 1B40	Ding
MCEN 5040-001	19287 Meth. of Engr. Analysis 2	TR	1100-1215	ECCR 151	Qi
MCEN 5042-010	Heat Transfer	MWF	1100-1150	ECCR 110	Yang
	19290 Rec 011	T	0330-0450	ECCR 1B55	Yang
MCEN 5115-010	Mechatronics & Robotics 1	MW	1200-1250	ITLL 1B50	Reamon
	23495 Lab 011 (Attend Mon, Wed, and Fri.)	MW	0100-0150	ITLL 1B10	Reamon
		F	1200-0150	ITLL 1B10	Reamon
MCEN 5131-001	23496 Air Pollution Control Engr.	TR	1230-0145	RAMY N1B23	Milford
MCEN 5183 001	24456 Mechanics of Composite Materials	TR	0800-0915	ECCR 150	Dunn
MCEN 5208-001	19292 Introduction to Research (2 credits)	W	0400-0645	ECCR 150	Bright
MCEN 5228-001	23497 Biomechanics	MWF	1000-1050	DUAN G125	Ferguson
MCEN 5228-002	24452 TPC: Flow Visualization	MWF	0300-0350	ITLL 1B50	Hertzberg
MCEN 5228-003	24453 TPC: Wind Energy	TR	0200-0315	MUEN E064	Pawlas
MCEN 5228 005	23499 TPC: Polymers	MWF	0100-0150	MUEN E064	Ding
MCEN 5228-006	23500 TPC: Environmental Law for Eng	MWF	1000-1050	ECCR 139	Milford
MCEN 5228-007	19294 TPC: Advanced Product Design	TR	0500-0615	ECCR 150	Zable/Rentschler
MCEN 5228-008	23501 TPC: BioMedical Device Design	TR	1230-0145	ECCR 108	Rentschler
MCEN 5228-009	24457 TPC: Inverse Methods	MWF	0900-0950	ECCR 116	Henze
MCEN 5228-010	24577 Mechanical Behavior of Materials	TR	0930-1045	RAMY N1B31	Greenberg
MCEN 5228-011	24583 Thermodynamics & Kinetics of Mat	TR	0200-0315	MUEN E431	Raj
MCEN 5228-012	25183 TPC: Membrane Science Seminar	M	0400-0450	ECCR 133	Pellegrino
MCEN 5248-001	19295 TPC: MEMS II	MWF	0300-0350	DUAN G1B27	Lee, YC
MCEN 6228-001	24458 TPC: Numerical Methods	TR	0930-1045	ECCR 118	Vasilyev
MCEN 7221-001	24525 Turbulence	MWF	1200-1250	ECCR 139	Desjardins