

ALBERT NERKEN SCHOOL OF ENGINEERING
SPRING 2013 - COURSE OFFERINGS
 (2/1/13)

CHEMICAL ENGINEERING	CREDITS	INSTRUCTOR	TIMES	ROOM
ChE 121 Chemical Reaction Engineering <i>(Enrollment limited to 25)</i>	3 cr	R. Stock	M 1-3 Th 11 – 12	427 427
ChE 141 Heat and Mass Transfer <i>(Enrollment limited to 25)</i>	4 cr.	D. Lepek	Tu 2 – 4 Th 9 – 11	427 427/806
ChE 151 Process Simulation & Math Techs. <i>(Enrollment limited to 25)</i>	3 cr.	B. Davis	Tu 5 – 6 W 10-12	502 502
ChE 161.2A Process Evaluation & Chemical Systems Design II <i>(Enrollment limited to 25)</i>	3 cr.	C. Okorafor	M 12-2 T 2 – 4	104 105
ChE 161.2B Process Eval. & Chemical Systems Design II <i>(Enrollment limited to 25)</i>	3 cr.	B. Davis	M 12 – 2 Tu 2 – 4	105 106
ChE 162.2A Chemical Engineering Laboratory II <i>(Enrollment limited to 15)</i>	1.5 cr.	D. Lepek	Th 12 – 4	304
ChE 162.2B Chemical Engineering Laboratory II <i>(Enrollment limited to 15)</i>	1.5 cr.	R. Stock	W 12 – 4	304
ChE 430 Thermodynamics of Special Systems <i>(Enrollment limited to 20)</i>	3 cr.	I. Brazinsky	W 11 – 12 Th 12 - 2	427 427
ChE 441 Advanced Heat & Mass Transfer <i>(Enrollment limited to 10)</i>	3 cr.	D. Lepek	Tu 11 – 12 W 9 – 11a	104 104

CHEMICAL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
ChE 447	Sustainability & Pollution Prevention <i>(Enrollment limited to 10)</i>	3 cr.	B. Davis	W 4 – 5 Th 10 -12	427 101
ChE 460	Chemical Engineering Equipment Design <i>(Enrollment limited to 20)</i>	3 cr.	C. Okorafor	W 12 – 3	106
CHEMISTRY		CREDITS	INSTRUCTOR	TIMES	ROOM
Ch 111 A	General Chemistry Laboratory <i>(Enrollment limited to 16 per section)</i>	1.5 cr.	A. Newmark	W 2 – 5	502*/404
Ch 111 B	General Chemistry Laboratory <i>(Enrollment limited to 16 per section)</i>	1.5 cr.	R. Topper	Tu 9 – 12	427*/404
Ch 111 C	General Chemistry Laboratory <i>(Enrollment limited to 16 per section)</i>	1.5 cr.	Wiener	F 2 – 5p	106*/404
Ch 111 D	General Chemistry Laboratory <i>(Enrollment limited to 16 per section)</i>	1.5 cr.	Wiener	Tu 2 – 5p	201*/404
Ch 111 E	General Chemistry Laboratory <i>(Enrollment limited to 16 per section)</i>	1.5	Bastos	Th 2 – 5	427*/404
Ch 160 A	Physical Principles of Chemistry <i>(Enrollment limited to 30 per section)</i>	3 cr.	R. Topper	M 9 – 11a W 9 – 11a	101 101
Ch 160 B	Physical Principles of Chemistry <i>(Enrollment limited to 30 per section)</i>	3 cr.	R. Topper	W 2 – 4p F 12 -2p	427 427

CHEMISTRY		CREDITS	INSTRUCTOR	TIMES	ROOM
Ch 160 D	Physical Principles of Chemistry <i>(Enrollment limited to 30 per section)</i>	3 cr.	Sharafaddin	M 6 – 8p W 6 – 8	504 504
Ch 232	Organic Chemistry II <i>(Enrollment limited to 30)</i>	2 cr.	R. Savizky	M 10 – 12	427
Ch 233 A	Organic Chemistry Laboratory <i>(Enrollment limited to 8 per section)</i>	2 cr.	J. Bové	M 12 – 4	427*/403
Ch 233 B	Organic Chemistry Laboratory <i>(Enrollment limited to 8 per section)</i>	2 cr.	Patricia Rodillosso	W 1 – 5p	427*/403
Ch 233C	Organic Chemistry Laboratory <i>(Enrollment limited to 8 per section)</i>	2 cr.	Raymong Chung	Th 11 – 3	104*/403
Ch 233D	Organic Chemistry Laboratory <i>(Enrollment limited to 8 per section)</i>	2 cr.	R. Savizky	F 11 – 3	427*/403
Ch 262	Physical Chemistry II <i>(Enrollment limited to 30)</i>	2 cr.	A. Newmark	M 11 – 1p	101
Ch 340	Biochemistry <i>(Enrollment limited to 16)</i>	3 cr.	R. Savizky	W 2 - 5	104

***CLASS MEETS THE FIRST HOUR IN THAT ROOM**

CIVIL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
CE 120	Civil Engineering Fundamentals <i>(Enrollment limited to 30)</i>	3 cr.	Viola	Tu 5 – 8	504
CE 122	Structural Engineering <i>(Enrollment limited to 30)</i>	3 cr.	J. Ahmad	Th 2 – 5	504
CE 131A	Intro. To Geotechnical Eng.-(3 hrs. Lab) <i>(Lab limited to 15)</i>	1.5 cr.	V. Guido	M 2 – 5	LL222/504
CE 131B	Intro. To Geotechnical Eng (3 hrs. Lab) <i>(Lab Limited to 15)</i>	1.5 cr.	Keith Ng	Tu 2 – 5 803	LL222/802/ 803
CE 131L	Intro. To Geotechnical Eng (3 hr) <i>(Enrollment limited to 30)</i>	3.0 cr.	V. Guido	M 11 – 1 Th 11 – 12	504 504
CE 142	Water Resources Engineering <i>(Enrollment limited to 30)</i>	4.5 cr.	J. Cataldo	Tu 10 – 12 W 10 – 11 W 11 – 2	504 504 LL223/504
CE 341	Design of Steel Structures <i>(Enrollment limited to 30)</i>	3 cr.	C. Tzavelis	M 1 - 2 W 4 – 6	504 504
CE 361A	Civil Engineering Experimental Projects <i>(Lab Limited to 12 per section)</i>	2 cr.	C. Yapijakis	W 1 – 4	505
CE 361B	Civil Engineering Experimental Projects <i>(Lab Limited to 12 per section)</i>	2 cr.	C. Tzavelis	W 1 – 4	505

CIVIL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
CE 364	Civil Engineering Design II <i>(Enrollment limited to 30)</i>	3 cr.	Ahmad/Cataldo/Guido	Tu 2 – 5	504
CE 422/EID 422	Finite Element Methods <i>(Enrollment limited to 20)</i>	3 cr.	A. Hapij	Tu 6 – 9	106
CE 427	Behavior & Design of Prestressed Concrete Structures <i>(Enrollment limited to 30)</i>	3 cr.	R. Smilowitz	M 6 – 9	503
CE 431	Advanced Foundation Engineering <i>(Enrollment limited to 30)</i>	3 cr.	D. Chang	Th 6 – 9	504
CE 441	Water and Wastewater Technology <i>(Enrollment limited to 30)</i>	3 cr.	C. Yapijakis	Tu 5 – 8	427
CE 449	Hazardous Waste Management <i>(Enrollment limited to 18)</i>	3 cr.	C. Yapijakis	Th 6 – 9	106

ENGINEERING SCIENCES	CREDITS	INSTRUCTOR	TIMES	ROOM
ESC 000.2 First Year Seminar Series II (required)	0 cr.	R. Stock	M 12 – 1	Rose/503
ESC 000.4 Second Year Seminary Series II (required)	0 cr.	R. Stock	W 11 – 12	Rose/503
ESC 101C Mechanics of Materials <i>(Enrollment limited to 30)</i>	3 cr.	C. Tzavelis	M 5 - 6 Tu 10 – 12	506 502
ESC 101M Mechanics of Materials <i>(Enrollment limited to 30)</i>	3 cr.	Wootton	M 3 – 5 W 12 – 1	505 101
ESC 110.1 Materials Science for Chemical Engineers <i>(Enrollment limited to 30)</i>	3 cr.	C. Okorafor	M 3 – 6	427
**ESC120/121C Principles of Electrical Engineering <i>(Class limited to 30)</i>	3 cr.	S. Shinnars	F 11 – 2	504
**ESC120/121M Principles of Electrical Engineering <i>(Class limited to 30)</i>	3 cr.	Ungar	M 9 –11 W 9 – 10	504 506
**ESC120/121S Principles of Electrical Engineering <i>(Class limited to 30)</i>	3 cr.	Jackman	Th 6p -9p	101
<i>(Note: ESC 120 is 3 cr. (15 weeks) and ESC 121 is 2 cr. (10 weeks). Only CE students take ESC120, CHE and ME students take ESC 121)</i>				
ESC 130.1 Chemical Engineering Thermodynamics <i>(Enrollment limited to 30)</i>	3 cr.	I. Brazinsky	Tu 10 – 12 W 12 - 1	427 427
ESC 161 Systems Engineering <i>(Enrollment limited to 35)</i>	3 cr.	M.Baglione	M 11 – 12 Tu 4 – 6	505 505

ELECTRICAL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
ECE 103	Communications Networks <i>(Enrollment Limited to 35)</i>	3 cr.	Keene	W 11 – 12 F 12 – 2	506 506
ECE 110A	MATLAB Seminar: Signals & Systems <i>(Enrollment limited to 16 students)</i>	0 cr.	E. Weintraub	W 4 – 5	802/803
ECE 110B	MATLAB Seminar: Signals & Systems <i>(Enrollment limited to 16 students)</i>	0 cr.	H. Weintraub	W 5 – 6	802/803
ECE 110C	MATLAB Seminar: Signals & Systems <i>(Enrollment limited to 16 students)</i>	0 cr.	Hong	W 6 – 7p	802/803
ECE 111	Signal Processing & Systems Analysis <i>(Enrollment limited to 30)</i>	3 cr.	F. Fontaine	Tu 10 – 12 F 8 - 10	LL 101 505
ECE 135	Engineering Electromagnetics <i>(Enrollment limited to 30 students)</i>	4 cr.	F. Fontaine	Th 9a – 11a F 10 – 12	505 505
ECE 141A	Electronics I <i>(Enrollment limited to 30)</i>	3 cr.	H. Ahmad	M 3 – 5 Th 12 -1	LL210 101
ECE 141B	Electronics I <i>(Enrollment limited to 30)</i>	3 cr.	H. Ahmad	Tu 4 – 6p Th 4 – 5	101 101
ECE 150A	Digital Logic Design <i>(Enrollment limited to 20)</i>	3 cr.	Y. Risbud	Th 6p – 9p	LL 210
ECE 150B	Digital Logic Design <i>(Enrollment limited to 20)</i>	3 cr.	Kupferstein	M 5p – 8p	106
ECE 151A	Computer Architecture <i>(Enrollment Limited to 18 students)</i>	3 cr.	A.Berenbaum	M 6 – 9p	101

ELECTRICAL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
ECE 151B	Computer Architecture <i>(Enrollment Limited to 18 per section)</i>	3 cr.	S. Kirtman	W 1 – 4	101
ECE 161	Programming Languages <i>(Enrollment Limited to 30 per section)</i>	3 cr.	S. Kirtman	Th 2 – 5	503
ECE 164	Data Structures & Algorithms I <i>(Enrollment limited to 30)</i>	2 cr.	C. Sable	Th 1 – 3	502
ECE 194A	Electrical & Computer Eng. Projs. II <i>(Enrollment limited to 18 students per section)</i>	4 cr.	H. Ahmad	M 10 – 2	604
ECE 194B	Electrical & Computer Eng. Projs. II <i>(Enrollment limited to 18 students per section)</i>	4 cr.	S. Kirtman	Tu 2 – 6	604
ECE 196A	Electrical & Computer Eng. Projs. IV <i>(Enrollment limited to 18 students per section)</i>	3 cr.	T. Cumberbatch	Tu 2 – 5	502
ECE 196B	Electrical & Computer Eng. Projs. IV <i>(Enrollment limited to 18 students per section)</i>	3cr.	C. Sable	Tu 2 – 5	503
ECE 302	Probability Models & Stochastic Processes <i>(Enrollment limited to 30)</i>	3 cr.	S. Keene	W 12 – 2 F 2 – 3	506 506
ECE 305	Computer Security <i>(Enrollment limited to 30)</i>	3 cr.	J. Hakner	Th 6 – 9p	105
ECE 341	Integrated Circuit Engineering <i>(Enrollment limited to 18)</i>	3 cr.	T. Cumberbatch	Tu 11 – 12 Th 11– 1	106 106
ECE 343	Bio-Instrumentation and Sensing <i>(Enrollment limited to 20)</i>	3 cr.	I. Kremenic	M 5 – 8	505

ELECTRICAL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
ECE 361	Software Engineering & Large Sys. Design <i>(Enrollment limited to 30 students)</i>	3 cr.	C. Sable	W 2 – 4 Th 4 – 5	503 502
ECE 411	Selected Topics in Signal Processing <i>(Enrollment limited to 25)</i>	3 cr.	S. Keene	W 4 – 5 Th 6 – 8p	503 502
ECE 421	Advanced Control System Design <i>(Enrollment limited to 20)</i>	3 cr.	Shinners	M 11 – 2	502
ECE 434	Bioelectricity <i>(Enrollment limited 30 students)</i>	3 cr.	Tandon	Tu 6 -9p	502
ECE 442	Communication Electronics <i>(Enrollment limited to 20)</i>	3 cr.	Hausman	W 6 – 9	106
ECE 462	Interactive Engineering Graphics <i>(Enrollment limited to 30)</i>	3 cr.	C. Sable	W 5 – 6 Th 11 – 1	503 502

INTERDISCIPLINARY ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
EID 103	Principles of Design <i>(Enrollment Limited to 35)</i>	3 cr.	Lima	Tu 5 - 7 F 2 - 3	506 505
EID 105/ ME105	Drawing & Sketching for Engineers <i>(Enrollment Limited to 30)</i>	2 cr.	R. Dell	Th 6 - 9	504
EID 110	Engineering Design Graphics <i>(Enrollment Limited to 30)</i>	3 cr.	K. Panchyk	W 10 - 1	802/803
EID 125	Biomechanics <i>(Enrollment limited to 30)</i>	3 cr.	K. Orishimo	W 6 - 9	502
EID 142/ CE 142	Water Resources Engineering <i>(Enrollment limited to 30)</i>	4.5 cr.	J. Cataldo	T 10 - 12 W 10 - 11 W 11 - 2	504 504 LL223/504
EID 153/ ME 153	Mechatronics <i>(Enrollment limited to 25)</i>	3 cr.	B. Cusack	W 9 - 10 Th 9 - 11	505 504
EID 170	Engineering Economy <i>(Enrollment limited to 30)</i>	3 cr.	R. Barrett	Tu 2 - 5	104
EID 325	Science & Applic of Bioengineering Tech <i>(Enrollment limited to 20)</i>	3 cr.	Orbach	Th 6 - 9p	104

<u>INTERDISCIPLINARY ENGINEERING</u>		CREDITS	INSTRUCTOR	TIMES	ROOM
EID 370	Engineering Management <i>(Enrollment limited to 30)</i>	3 cr.	R. Barrett	Tu 6 – 9	105
EID 376	Economics of Alternative Energy <i>(Enrollment limited to 15)</i>	3 cr.	T. Synnott	Tu 5 – 6 Th 12 – 2	503 504
EID 458/ ME 458	Industrial Robots <i>(Enrollment limited to 35)</i>	3 cr.	S. Wei	W 2p – 5p	506
<u>MECHANICAL ENGINEERING</u>					
Bio 101	Molecular & Cellular Biology <i>(Enrollment limited to 30)</i>	3 cr.	David Orbach	Tu 6 – 9	104
ME 101	Mechanical Vibrations <i>(Enrollment limited to 35)</i>	3 cr.	D. Wootton	M 1 - 3 Th 10 – 11	505 105
ME 105/ EID105	Drawing & Sketching for Engineers <i>(Enrollment Limited to 30)</i>	2 cr.	R. Dell	Th 6 – 9	504
ME 130	Advanced Thermodynamics <i>(Enrollment limited to 35)</i>	3 cr.	G.Delagrammatikas	Tu 10 – 12 Th 11 – 12	505 505/806
ME 142	Heat Transfer: Fundamentals & Des. Apps. <i>(Enrollment limited to 30)</i>	3 cr.	Sidebotham	M 11 – 12 W 10 – 12	802/803 505
ME 153/ EID 153	Mechatronics <i>(Enrollment limited to 25)</i>	3 cr.	B. Cusack	W 9 – 10 Th 9 – 11	505 504
ME 155A	Design and Prototyping <i>(Enrollment limited to 16)</i>	2 cr.	Lima	Th 1 – 3 F 10 – 11	101 504

MECHANICAL ENGINEERING		CREDITS	INSTRUCTOR	TIMES	ROOM
ME 155B	Design and Prototyping <i>(Enrollment limited to 16)</i>	2 cr.	Lima	Th 10 – 12 F 12 – 1	506 505
ME 160A/B	Engineering Experimentation <i>(Enrollment limited to 32)</i>	3 cr.	Sidebotham & Wootton	Th 1 – 2	505
ME 160A	Engineering Experimentation <i>(Enrollment limited to 16)</i>		Sidebotham	Tu 2 – 5	LL 210
ME 160B	Engineering Experimentation <i>(Enrollment limited to 16)</i>		Wootton	W 2 – 5p	LL 210
ME 164	Capstone Senior M.E. Design <i>(Enrollment limited to 35)</i>	3 cr.	Sidebotham, Wei, & Baglione	Th 2 – 5	505
ME 300	Space Dynamics <i>(Enrollment limited to 30)</i>	3 cr.	Kutt	W 11 – 2	105
ME 320	Mechanical Design <i>(Enrollment limited to 30)</i>	3 cr.	Reilly	Tu 6 – 9	101
ME 363	Selected Topics in Mechanical Engineering <i>(Enrollment limited to 12)</i>	3 cr.	Bambino	W 6 – 9	503
ME 401	Advanced Mechanical Vibrations	3 cr.	Baglione	Tu 10 – 11 Th 10 – 12	710 710
ME 407	Intro. To Computational Fluid Dynamics <i>(Enrollment limited to 30)</i>	3 cr.	Bondi	M 6 – 9	503/802/803
ME 458/ EID 458	Industrial Robots <i>(Enrollment limited to 35)</i>	3 cr.	S. Wei	W 2p – 5p	506
ME 493	Selected Advance Topics in Mechanical Engineer. <i>(Enrollment limited to 30)</i>	3 cr.	Speyer	M 2 - 5	105

MATHEMATICS		CREDITS	INSTRUCTOR	TIMES	ROOM
MA 113 A	Calculus II (2 hr. Recitation) <i>(Enrollment limited to 30)</i>	4 cr.	P. Baily	T 2 – 4	505
				W 5 – 6	505
				F 12 – 2	101
MA 113 B	Calculus II (2 hr. Recitation) <i>(Enrollment limited to 30)</i>	4 cr.	Smyth	M 5 – 6	504
				Th 3 – 5	LL 101
				F 2 – 4	504
MA 113 D	Calculus II (2 hr. Recitation) <i>(Enrollment limited to 30)</i>	4 cr.	Vulakh	M 9 – 11a	LL 101
				W 12 – 1	104
				F 12 – 2	LL 101
MA 151	Mathematics in Art <i>(Limited to 30 students)</i>	3 cr.	P. Baily	W 6 – 9	505
MA 223C1	Vector Calculus (3 contact hrs.) <i>(Limited to 30 students)</i>	2 cr.	S. Simon	W 2 – 4	504
				Th 12 – 1	506
MA 223C2	Vector Calculus (3 contact hrs.) <i>(Limited to 30 students)</i>	2 cr.	Srubschik	Tu 9 – 10	504
				F 9 – 11	427
MA 224 E	Probability <i>(Limited to 30 students)</i>	2 cr.	Agrawal	M 11 – 12	104
				Th 9 – 11	104
MA 224M	Probability <i>(Limited to 30 students)</i>	2 cr.	Srubschik	Tu 10 – 12	503
				F 11 – 12	504
MA 240 C	Ordinary & Partial Diff. Equations <i>(Limited to 30 students)</i>	3 cr.	S. Simon	W 4 – 5	505
				Th 1 – 3	506

MATHEMATICS		CREDITS	INSTRUCTOR	TIMES	ROOM
MA 240 K	Ordinary & Partial Diff. Equations <i>(Limited to 30 students)</i>	3 cr.	Mintchev	Tu 4 – 6p W 9 – 10a	105 502
MA 240 S	Ordinary & Partial Diff. Equations <i>(Limited to 30 students)</i>	3 cr.	Mintchev	M 2 – 4 W 12 – 1	503 502
MA 345	Functions of a Complex Variable <i>(Limited to 30 students)</i>	3 cr.	Smyth	M 2 – 4 Th 1 – 2	502 503
MA 347	Modern Algebra (Enrollment limited to 30)	3 cr.	O. Agrawal	M 8 - 9 Tu 8 - 10	427 104
MA 352	Discrete Mathematics <i>(Limited to 30 students)</i>	3 cr.	Vulakh	W 9 – 11 F 9 – 10	105 105
MA 402	Numerical Analysis <i>(Limited to 20 students)</i>	3 cr.	S. Mintchev	M 9 – 11a Tu 11 – 12	502 LL 210

PHYSICS		CREDITS	INSTRUCTOR	TIMES	ROOM
Ph 112	<i>Lecture</i> Physics I:Mechanics <i>(Lecture limited to 150)</i>	4 cr.	A. Wolf	M 1 – 3p Th 1 – 2 F 11 – 12	Rose Rose Rose
	Ph 112 A	0 cr.	Chaves	Tu 6 – 8p	505
	Ph 112 B	0 cr.	Yesilevskiy	Th 6 – 8p	LL 101
	Ph 112 C	0 cr.	Akkerman	Th 9 – 11a	503
	Ph 112 D	0 cr.	Chaves	Th 2 – 4p	105
	Ph 112 E	0 cr.	Akkerman	W 2 – 4p	105
<i>(ALL PH112 SECTIONS ARE LIMITED TO 30 STUDENTS)</i>					
Ph 214L	Physics III:Optics and Modern Physic <i>(Limited to 150 students)</i>	3 cr.	Marienko	Tu 2 – 4p Th 3 – 4p	Rose Rose
Ph 214 K	Physics III:Optics & Modern Physics <i>(Enrollment limited to 30 per section)</i>	0 cr.	Debroy	Th 10 – 11	LL 101
Ph 214 C	Physics III:Optics & Modern Physics	0 cr.	Debroy	W 1 – 2	104
Ph 214 E	Physics III:Optics & Modern Physics	0 cr.	Debroy	Th 11 – 12	LL 101
Ph 214 M	Physics III:Optics & Modern Physics	0 cr.	Debroy	W 3 – 4	LL 101
Ph 214 S	Physics III:Optics & Modern Physics	0 cr.	Marienko	Th 4 – 5p	427