

# Fall 2015 Teaching Schedule

## Mechanical and Aerospace Engineering

### August 20, 2015

THIS SCHEDULE IS SUBJECT TO FREQUENT CHANGES

Website - Teaching Schedule for MAE Courses:

COURSE	SECTION # FOR ON CAMPUS only	COURSE TITLE	CR	JOIN	Meet Times			Labs Meet Time	Bldg/Rm	Labs Bldg/Rm	SIZE	INSTRUCTOR	EDGE & REEF SECTION #s OFF CAMPUS STUDENTS only & other MAE Deptx #s			
					T	W	R									
BME 5580	209B	Microfluids and BioMEMS	3		T	2-3	R	2		CSE E107	30	Simmons				
EAS 4132	7601	Compressible Flow	3	1	MWF	2				NEB 201	40	Ukeiley				
EAS 4200C	0571	Aerospace Structures	3		MWF	8				WEIL 270	130	Sankar				
EAS 4400	7632	Stability & Control of Aircraft	3		MWF	5				MAEA 303	100	Lind				
EAS 4700	0075	Aerospace Design I	3		MW	9-10				PUGH 170	120	Fitz-Coy				
EAS 6242	13EF	Advanced Structural Composites	3		MWF	5				NEB 102	60	Sankar				
EAS 6939	1B90	Aeroelasticity I	3		MWF	5				CSE E107	32	Sharma, V.K.				
EAS 6939	2255	Approx and Optimization in Eng Design	3		MWF	4				MAEA 327	32	Kim/Haftka				
EAS 6939	2257	Spacecraft Attitude Dynamics	3		MWF	5				MAEA 327	32	Fitz-Coy				
EGM 2511	01G5	Engineering Mechanics-Statics	3	A	MWF	8				NEB 100	550	Dickrell				
EGM 3344	09DG	Intro Numerical Methods Engr Analysis	3		MWF	8				TUR L007	130	Cannataro, Begum				
EGM 3344	5403	Intro Numerical Methods Engr Analysis	3		MWF	9				TUR L011	130	Cannataro, Begum				
EGM 3401	12EA	Engineering Mechanics-Dynamics	3		MWF	6				MAEA 303	110	Dickrell				
EGM 3401	1600	Engineering Mechanics-Dynamics	3		T	8	R	8-9		WEIL 270	150	Conklin				
EGM 3520	1F29	Mechanics of Materials	3		MWF	3				MAEA 303	90	Ifju				
EGM 3520	1601	Mechanics of Materials	3		MWF	4				WEIL 270	140	Sarntinoranont				
EGM 3520	4547	Mechanics of Materials	3		MWF	7				CSE E121	100	Ifju				
EGM 4313	09DH	Intermediate Engineering Analysis	3		MWF	5				TUR L007	200	Mei				
EGM 4590	2269	Bio Dynamics	3		MWF	4				LAR 239	47	Fregly				
EGM 5533	2H01	Appl Elasticity/Adv Mech of Solids	3		MWF	4				NEB 100	100	Revil, Benoit				
EGM 5584	227A	Biomechanics of Soft Tissue	3		MWF	5				MAEB 238	32	Angelini				
EGM 6321	1610	Principles of Engineering Analysis I	3		T	8	R	7-8		CSE E122	60	Cazacu				
EGM 6342	1346	Computational Fluid Dynamics	3		MWF	7				CSE E118	60	Thakur				
EGM 6365	1373	Structural optimization	3		MWF	4				CSE E122	60	Kim/Haftka				
EGM 6812	1615	Fluid Mechanics I	3		MWF	3				CSE E118	60	Jackson, Thomas				
EGM 6936	1617	Graduate Seminar	1		T R	9-10				MAEA 303	114	Ehlers, Karen				
EGM 7845	227B	Turbulent Fluid Flow	3		T	5-6	R	6		MAEA 327	32	Balachandar				
EGN 3353C	07D8	Fluid Mechanics	3		T R	2				NEB 101	60	Carroll				
EGN 3353C	07D9	Fluid Mechanics	3		T R	2				WEB	35	Carroll				Must be available TR 5
EGN 3353C	2F89	Fluid Mechanics	3		T R	3				NEB 101	60	Carroll				
EGN 3353C	6364	Fluid Mechanics	3		T R	3				WEB	35	Carroll				Must be available TR 6
EGN 3353C	6870	Fluid Mechanics	3		T R	4				FLG 270	60	Carroll				
EML 2023	082A	Computer Aided Graphics & Design	3		MWF	6				MAEA 327	30	Crane				Honors Section
EML 2023	1004	Computer Aided Graphics and Design	3		MW	7				NEB 101	60	Crane				
EML 2023	22AC	Computer Aided Graphics and Design	3		MW	7				WEB	20	Crane				Must be available MW 7
EML 2023	22AD	Computer Aided Graphics and Design	3		MW	8				NEB 101	60	Crane				
EML 2023	22AE	Computer Aided Graphics and Design	3		MW	8				WEB	20	Crane				Must be available MW 8
EML 2023	5729	Computer Aided Graphics & Design	3		MWF	9				NPB 1001	248	Kumar, A.				
EML 2322L	02F4	Design & Manufacturing Lab	2	2	T	3			T	5-6	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	04AH	Design & Manufacturing Lab	2	2	T	3			T	7-8	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	061H	Design & Manufacturing Lab	2	2	T	3			T	9-10	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	4503	Design & Manufacturing Lab	2	2	T	3			W	2-3	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	5606	Design & Manufacturing Lab	2	2	T	3			W	4-5	TUR L005	MAEC 0002	16	Braddock		Section Cancelled
EML 2322L	7043	Design & Manufacturing Lab	2	2	T	3			W	7-8	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	7044	Design & Manufacturing Lab	2	2	T	3			W	9-10	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	7079	Design & Manufacturing Lab	2	2	T	3			R	2-3	TUR L005	MAEC 0002	16	Braddock		Honors Section
EML 2322L	7080	Design & Manufacturing Lab	2	2	T	3			R	4-5	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	7372	Design & Manufacturing Lab	2	2	T	3			R	7-8	TUR L005	MAEC 0002	16	Braddock		
EML 2322L	8304	Design & Manufacturing Lab	2	2	T	3			R	9-10	TUR L005	MAEC 0002	16	Braddock		
EML 2920	6060	Departmental & Professional Orientation	1		T	6				NPB 1001	325	Carroll				
EML 3005	1897	Mechanical Design	3		MWF	7				CSE E119	100	Griffis				
EML 3005	3284	Mechanical Design	3		MWF	8				NPB 1002	100	Arakere				
EML 3100	4594	Thermodynamics	3		MWF	6				TUR L005	120	Segal				
EML 3100	7259	Thermodynamics	3		MWF	9				MAEA 303	100	Mikolaitis				
EML 3301C	09E2	Mechanics of Materials Lab	3	3	T R	2			T	3-4	WEIL 270	NSC 316	14	Subhash		Honors Section
EML 3301C	2078	Mechanics of Materials Lab	3	3	T R	2			T	5-6	WEIL 270	NSC 316	14	Subhash		
EML 3301C	3296	Mechanics of Materials Lab	3	3	T R	2			T	7-8	WEIL 270	NSC 316	14	Subhash		
EML 3301C	3297	Mechanics of Materials Lab	3	3	T R	2			T	9-10	WEIL 270	NSC 316	12	Subhash		
EML 3301C	3298	Mechanics of Materials Lab	3	3	T R	2			W	2-3	WEIL 270	NSC 316	14	Subhash		
EML 3301C	4764	Mechanics of Materials Lab	3	3	T R	2			W	4-5	WEIL 270	NSC 316	14	Subhash		
EML 3301C	4776	Mechanics of Materials Lab	3	3	T R	2			W	6-7	WEIL 270	NSC 316	14	Subhash		
EML 3301C	4777	Mechanics of Materials Lab	3	3	T R	2			W	8-9	WEIL 270	NSC 316	14	Subhash		
EML 3301C	5431	Mechanics of Materials Lab	3	3	T R	2			R	3-4	WEIL 270	NSC 316	14	Subhash		
EML 3301C	5600	Mechanics of Materials Lab	3	3	T R	2			R	5-6	WEIL 270	NSC 316	14	Subhash		
EML 3301C	5648	Mechanics of Materials Lab	3	3	T R	2			R	7-8	WEIL 270	NSC 316	14	Subhash		
EML 3301C	7597	Mechanics of Materials Lab	3	3	T R	2			R	9-10	WEIL 270	NSC 316	14	Subhash		
EML 4140	19AA	Heat Transfer	3		MWF	6				NEB 202	100	Chung				
EML 4140	2754	Heat Transfer	3		MWF	8				MAEB 211	80	Tran-Son-Tay				
EML 4147C	096C	Thermo-Heat Transfer Design & Lab	3	4	T R	6			T	4-5	CSE A101	NSC 312	16	Abbitt		
EML 4147C	0963	Thermo-Heat Transfer Design & Lab	3	4	T R	6			T	7-8	CSE A101	NSC 312	16	Abbitt		
EML 4147C	12AD	Thermo-Heat Transfer Design & Lab	3	4	T R	6			T	9-10	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6266	Thermo-Heat Transfer Design & Lab	3	4	T R	6			W	2-3	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6289	Thermo-Heat Transfer Design & Lab	3	4	T R	6			W	4-5	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6291	Thermo-Heat Transfer Design & Lab	3	4	T R	6			W	6-7	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6300	Thermo-Heat Transfer Design & Lab	3	4	T R	6			W	8-9	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6320	Thermo-Heat Transfer Design & Lab	3	4	T R	6			W	10-11	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6326	Thermo-Heat Transfer Design & Lab	3	4	T R	6			W	E1-E2	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6326	Thermo-Heat Transfer Design & Lab	3	4	T R	6			R	4-5	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6365	Thermo-Heat Transfer Design & Lab	3	4	T R	6			R	7-8	CSE A101	NSC 312	16	Abbitt		
EML 4147C	6367	Thermo-Heat Transfer Design & Lab	3	4	T R	6			R	9-10	CSE A101	NSC 312	16	Abbitt		
EML 4220	09HG	Vibrations	3		MWF	2				FLG 270	120	Taylor				
EML 4220	3313	Vibrations	3		MWF	7				MCCA G186	100	Sheplak				
EML 4304C	04A0	Thermo-Fluid Design & Lab	3	5	T R	2			T	4-5	TUR L005	NSC 312	8	Abbitt		
EML 4304C	04A1	Thermo-Fluid Design & Lab	3	5	T R	2			T	6-7	TUR L005	NSC 312	8	Abbitt		Honors Section
EML 4304C	12DB	Thermo-Fluid Design & Lab	3	5	T R	2			T	8-9	TUR L005	NSC 312	8	Abbitt		
EML 4304C	1616	Thermo-Fluid Design & Lab	3	5	T R	2			T	10-11	TUR L005	NSC 312	8	Abbitt		
EML 4304C	Dept															

EML 4304C	6467	Thermo-Fluid Design & Lab	3	5	T R	2		W	6-7	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6469	Thermo-Fluid Design & Lab	3	5	T R	2		W	8-9	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6470	Thermo-Fluid Design & Lab	3	5	T R	2		W	10-11	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6472	Thermo-Fluid Design & Lab	3	5	T R	2		W	E1-E2	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6476	Thermo-Fluid Design & Lab	3	5	T R	2		R	4-5	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6482	Thermo-Fluid Design & Lab	3	5	T R	2		R	6-7	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6485	Thermo-Fluid Design & Lab	3	5	T R	2		R	8-9	TUR L005	NSC 312	8	Abbitt				
EML 4304C	6494	Thermo-Fluid Design & Lab	3	5	T R	2		R	10-11	TUR L005	NSC 312	8	Abbitt				
EML 4304C	Deptx	Thermo-Fluid Design & Lab	3	5	T R	2		R	E1-E2	TUR L005	NSC 312	8	Abbitt				
EML 4312	09H1	Control of Mechanical Eng Systems	3		MWF	2				MCCC 100		114	Lind				
EML 4312	3314	Control of Mechanical Eng Systems	3		MWF	7				WEIL 270		114	Kumar, M.				
EML 4314C	05D0	Dynamics & Controls System Design Lab	3	6	T R	3		T	4-5	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	09H2	Dynamics & Controls System Design Lab	3	6	T R	3		T	6-7	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	2249	Dynamics & Controls System Design Lab	3	6	T R	3		T	8-9	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	7036	Dynamics & Controls System Design Lab	3	6	T R	3		T	10-11	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	7042	Dynamics & Controls System Design Lab	3	6	T R	3		W	3-4	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8288	Dynamics & Controls System Design Lab	3	6	T R	3		W	5-6	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8291	Dynamics & Controls System Design Lab	3	6	T R	3		W	7-8	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8292	Dynamics & Controls System Design Lab	3	6	T R	3		W	9-10	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8296	Dynamics & Controls System Design Lab	3	6	T R	3		R	4-5	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8299	Dynamics & Controls System Design Lab	3	6	T R	3		R	6-7	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8301	Dynamics & Controls System Design Lab	3	6	T R	3		R	8-9	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4314C	8303	Dynamics & Controls System Design Lab	3	6	T R	3		R	10-11	WEIL 270	NSC 320	14	Kamalapurkar, Rushi				
EML 4321	3319	Manufacturing Engineering	3		MWF	7				PUGH 170		174	Huang				
EML 4501	3324	Mechanical System Design	3		MWF	9				CSE A101		150	Griffis				
EML 4507	3323	Finite Element Analysis & Design	3		MWF	6				WEIL 270		174	Chen				
EML 4600	8802	Refrig & Air Conditioning Fundamentals	3		MWF	4				MAEB 211		86	Ingley				
EML 4930	07B0	Energy Conversion	3		MWF	4				MAEB 229		30	Lear				
EML 4930	13C5	Kinematics and Dynamics of Machinery	3		MWF	5				MAEB 229		45	Crane				
EML 4930	Deptx	Orthopedic Biomechanics	3	7	MWF	2				LAR 330		35	Banks				Meet with instructor for consent
EML 5215	14HA	Analytical Dynamics	3		MWF	8				NEB 201		60	Bevilacqua				
EML 5516	1444	Design of Thermal Systems	3		MWF	8				CSE E122		60	Sherif				
EML 5526	1460	Finite Element Analysis	3		MWF	6				NEB 201		100	Kumar, A.				
EML 5598	058D	Orthopedic Biomechanics	3	7	MWF	2				LAR 330		25	Banks				
EML 5714	7046	Intro to Compressible Flow	3	1	MWF	2				NEB 201		60	Ukeiley				
EML 6154	201A	Conduction Heat Transfer	3		MWF	7				NEB 102		74	Moghaddam				
EML 6157	227C	Radiation Heat Transfer	3		MWF	4				MAEB 238		32	Roy				
EML 6281	3342	Geometry of Mechanisms and Robots I	3		MWF	2				NEB 102		74	Crane				
EML 6324	4005	Fundamentals of Production Engineering	3		MWF	2				CSE E118		60	Greenslet				
EML 6350	1486	Nonlinear Control	3		T	3-4	R	4		NEB 201		100	Dixon				
EML 6606	09G4	Advanced Airconditioning I	3		MWF	5				CSE E220		32	Sherif				
EML 6934	07DC	Tribology	3		MWF	6				LAR 239		35	Sawyer				
EML 6934	13AH	Verification, Validation, Uncertainty Reduct	3		MWF	4				CSE E118		60	Kim/Haftka				

J = classes are joined with another class

WEB course

Taught by EDGE

Reverse EDGE

OFF CAMPUS STUDENTS only

#### Courses Taught by (CORE)-Center of Research on Engineering Education

EGM 3400	1597	Elements of Dynamics	2		T R	9				NEB 201		100	Jackson, Philip				
EML 3007	0020	Elements of Thermodynamics Heat Transf	3		MWF	9				NEB 201		100	Jackson, Philip				
COP 2271	2603	Computer Program Engineers-Matlab	2		T R	6				NEB 100		160	Hill, Ira				
COP 2271L	2604	Computer Program Engineers-Matlab Lab	1		W	4-5				NEB 101		60	Hill, Ira				Optional - Not required
EEL 3003	1465	Elements of Electrical Engineering	3		MWF	2?				NEB 100		160	Dickrell, Pam				

#### Courses Taught by the College of Engineering Dean's Office

EGS 1006	----	Intro to Engineering	1		W	8-10				----		---	Staff				
EGS 1006	----	Intro to Engineering	1		R	8-10				----		---	Staff				

#### IPPD - Individual Study - Internship - CoOp - Research Courses

EAS 4912	Deptx	IPPD 1	3	8	T	8-10				PUGH 170		15	Mikolaitis/Crane/Ridgeway				
EML 4912	Deptx	IPPD 1	3	8	T	8-10				PUGH 170		35	Mikolaitis/Crane/Ridgeway				
EAS 4905	1341	Individual Study	var									25	----				
EAS 4949	11FG	Co-op Work Experience	1									50	----				
EAS 6905	4201	Aerospace Research	var									50	----				
EAS 6939	11C2	Industry Practicum	var									50	Ehlers, Karen				
EAS 6971	9774	Masters Research	var									50	----				
EAS 7979	9773	Advanced Research	var									50	----				
EAS 7980	9772	Doctoral Research	var									50	----				
EGN 4912	14DC	Engineering Research	var									75	----				
EGN 5949	11F5	Prac/Intern/Co-op Work	var									50	----				
EML 4905	8652	Individual Study in Mechanical Eng.	var									25	----				
EML 4945	1812	Practical Work in Mechanical Eng.	1									50	----				
EML 4949	8648	Co-op Work Experience	1									50	----				
EML 6905	1846	Indv Proj Mech Engr	var									50	----				
EML 6934	11C6	Industry Practicum	var									50	Ehlers, Karen				
EML 6971	8642	Masters Research	var									50	----				
EML 7979	2418	Advanced Research	var									150	----				
EML 7980	8639	Doctoral Research	var									75	----				