

# Mechanical Engineering Courses

FAMU	FSU	Crse	#	FAMU sect	FSU sect	AREA	UG Track Cert	TITLE	Cr	INSTRUCTOR	BEGIN	END	DAYS	Room	Bldg
<b>SERVICE COURSE</b>															
		EML	3100	001	0001			Thermodynamics (not for ME majors)	2	Siegrist	9:30AM	10:45AM	M W	A322	COEA/CE1
<b>ME Undergraduate CORE Courses</b>															
		EML	3004	301	0001			Engineering Statics	3	Krick	11:00AM	12:15PM	T R	B210	COEB/CE2
		EML	3004	301	0001			Engineering Statics (Recitation)		Krick	6:30PM	8:30PM	W	B114	COEB/CE2
		EML	3004	302	0002			Engineering Statics	3	Kalu	11:00AM	12:15PM	T R	B214	COEB/CE2
		EML	3004	302	0002			Engineering Statics (Recitation)		Kalu	6:30PM	8:30PM	R	B114	COEA/CE1
		EML	3004	302	0003			Engineering Statics	3	Cai	9:30am	10:45 AM	T R	B136	COEB/CE2
		EML	3004	302	0002			Engineering Statics (Recitation)		Cai	6:30PM	8:30PM	T	B114	COEA/CE1
		EML	3102	301	0001			Engineering Thermodynamics	3	Berger	3:30PM	4:45 PM	M W	B221	COEB/CE2
		EML	3102	301	0002			Engineering Thermodynamics	3	Wu	3:30PM	4:45 PM	M W	B136	COEB/CE2
		EML	3002L	L01	0001			ME Tools Lab	3	Larson	12:30PM	1:45 PM	T R	B114	COEB/CE2
		EML	3002L	L01	0001			ME Tools Lab		Larson	2:00PM	5:00PM	F	A337	COEA/CE1
		EML	3002L	L02	0002			ME Tools Lab	3	Larson	9:30AM	10:45AM	T R	A337	COEB/CE2
		EML	3002L	L02	0002			ME Tools Lab		Larson	10:45AM	1:45PM	F	A337	COEA/CE1
		EML	3011	301	0001			Mechanics of Materials	3	Hruda	12:30 PM	1:45PM	M W	B214	COEB/CE2
		EML	3012	301	0001			Intermediate Mechanics & Materials ( <i>lecture</i> ) (must take co-requisite below: EML 3012L)	3	Campbell	9:30AM	10:45AM	T R	B210	COEB/CE2
		EML	3012L	L01	0001			Mechanics & Materials Lab (must take co-requisite: EML 3012)	1	Campbell	1:15 PM	2:30 PM	F	B135	COEB/CE2
		EML	3012L	L01	0001			Mechanics & Materials Lab		Campbell	12:30PM	2:15PM	T	B217	COEB/CE2
		EML	3012L	L02	0002			Mechanics & Materials Lab (must take co-requisite: EML 3012)	1	Campbell	1:15 PM	2:30 PM	F	B135	COEB/CE2
		EML	3012L	L02	0002			Mechanics & Materials Lab		Campbell	12:30PM	2:15PM	R	B217	COEB/CE2
		EML	3012L	L03	0003			Mechanics & Materials Lab (must take co-requisite: EML 3012)	1	Campbell	1:15 PM	2:30 PM	F	B135	COEB/CE2
		EML	3012L	L03	0003			Mechanics & Materials Lab		Campbell	2:30PM	4:15PM	T	B217	COEB/CE2
		EML	3012L	L04	0004			Mechanics & Materials Lab (must take co-requisite: EML 3012)	1	Campbell	1:15 PM	2:30 PM	F	B135	COEB/CE2
		EML	3012L	L04	0004			Mechanics & Materials Lab		Campbell	2:30 PM	4:15PM	W	B217	COEB/CE2

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		EML	3012L	L05	0005			Mechanics & Materials Lab (must take co-requisite: EML 3012)	1	Campbell	1:15 PM	2:30 PM	F	B135	COEB/CE2
		EML	3012L	L05	0005			Mechanics & Materials Lab		Campbell	2:45PM	4:30PM	F	B217	COEB/CE2
		EML	3013	301	0001			Dynamics	3	Higgins	8:00AM	9:15AM	M W	B136	COEB/CE2
		EML	3014C	C01	0001			System Dynamics & Vibrations (lecture)	3	Clark	12:30PM	1:20PM	M W	B135	COEB/CE2
		EML	3014C	C01	0001			System Dynamics & Vibrations (lab)		Clark	3:30PM	6:15PM	R	B114	COEB/CE2
		EML	3015C	C01	0001			Thermal-Fluids I: Fluid Mechanics (lecture)	4	Ali	11:00AM	12:15PM	M W	B135	COEB/CE2
		EML	3015C	C01	0001			Thermal-Fluids I: Fluid Mechanics (lab)		Ali	11:00AM	1:00PM	F	B135	COEB/CE2
		EML	3016	301	0001			Thermal-Fluids II: Heat Transfer (lecture)	3	Shoele	2:00PM	3:15PM	M W	B214	COEB/CE2
		EML	3016	301	0001			Thermal-Fluids II: Heat Transfer (Help Session)		Shoele	3:30 PM	6:00 PM	F	B210	COEB/CE2
		EML	3017C	C01	0001			Mechanical Systems I (lecture)	4	Moore, C.	9:30AM	10:45 AM	M W F	B135	COEB/CE2
		EML	3017C	C01	0001			Mechanical Systems I (lab)		Moore, C.	2:30 PM	5:30PM	M	A337	COEA/CE1
		EML	3017C	C02	0002			Mechanical Systems I (lecture)	4	Moore, C.	9:30AM	10:45 AM	M W F	B135	COEB/CE2
		EML	3017C	C02	0002			Mechanical Systems I (lab)		Moore, C.	2:30PM	5:30PM	T	A337	COEA/CE1
		EML	3018C	C01	0001			Mechanical Systems II (lecture)	4	Hollis	8:00 AM	9:15 AM	M W	B214	COEB/CE2
		EML	3018C	C01	0001			Mechanical Systems II (lab)		Hollis	11:15 AM	1:45 PM	M	B114	COEB/CE2
		EML	3018C	C02	0002			Mechanical Systems II (lecture)	4	Hollis	8:00 AM	9:15 AM	M W	B214	COEB/CE2
		EML	3018C	C02	0002			Mechanical Systems II (lab)		Hollis	8:15 AM	10:45 AM	F	A144	COEA/CE1
		EML	3234	301	0001			Material Science & Engineering	3	Kametani	2:00PM	3:15PM	M W	B135	COEB/CE2
		EML	3234	301	0001			Material Science & Engineering (Recitation)		Kametani	3:30PM	4:45PM	R	B210	COEB/CE2
		EML	3234	301	0001			Material Science & Engineering	3	Cooley	11:00AM	12:15PM	M W	B221	COEB/CE2
		EML	3234	301	0001			Material Science & Engineering (Recitation)		Cooley	3:30PM	4:45PM	T	B210	COEB/CE2
		EML	3811	301	0001			Intro to Mechatronics (lecture) (must take co-requisite below: EML 3811L)	1	Ordenez, C.	8:00AM	8:50AM	R	B134	COEB/CE2
		EML	3811L	L01	0001			Mechatronics Lab (lecture) (must take co-requisite: EML 3811)	2	Ordenez, C.	9:00AM	9:50AM	R	B134	COEB/CE2
		EML	3811L	L01	0001			Mechatronics Lab (lab)		Ordenez, C.	2:30PM	5:15PM	R	B356	COEB/CE2

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		EML	3811L	L02	0002			Mechatronics Lab (lecture) (must take co-requisite: EML 3811)	2	Ordonez, C.	9:00AM	9:50AM	R	B134	COEB/CE2
		EML	3811L	L02	0002			Mechatronics Lab (lab)		Ordonez, C.	2:30PM	5:15PM	W	B356	COEB/CE2
		EML	3811L	L03	0003			Mechatronics Lab (lecture) (must take co-requisite: EML 3811)	2	Ordonez, C.	9:00AM	9:50AM	R	B134	COEB/CE2
		EML	3811L	L03	0003			Mechatronics Lab (lab)		Ordonez, C.	12:25PM	3:10PM	F	B356	COEB/CE2
		EML	4304	301	0001			Exp in Thermal & Fluid Sciences (lecture) (must take co-requisite below: EML 4304L)	2	Ali	11:00AM	12:15PM	T R	A317	COEA/CE1
		EML	4304L	L01	0001			Experiments in Thermal and Fluid Sciences (lab) (must take co-requisite: EML 4304)	1	Ali	9:00AM	10:45 AM	T	A109/ A209	COEA/CE1
		EML	4304L	L02	0002			Experiments in Thermal and Fluid Sciences (lab) (must take co-requisite: EML 4304)	1	Ali	9:00AM	10:45 AM	W	A109/ A209	COEA/CE1
		EML	4304L	L03	0003			Experiments in Thermal and Fluid Sciences (lab) (must take co-requisite: EML 4304)	1	Ali	2:00PM	3:45 PM	W	A109/ A209	COEA/CE1
		EML	4550	301	0001			Engineering Design Methods	3	McConomy	3:30PM	4:45PM	M W	A105	COEA/CE1
		EML	4551C	C01	0001			Senior Design I	3	McConomy	3:30PM	7:45PM	T R	B135	COEB/CE2
		SDS	3802					Experiential Learning	0-1	<a href="https://www.eng.famu.fsu.edu/me/undergraduate/research-experience">https://www.eng.famu.fsu.edu/me/undergraduate/research-experience</a>					
1041-	12017-	EML	4905	601-	001-			DIS Directed Independent Study	1-3	(Contact Professor, then Mrs. Alday to create course number)					
	2726-	EML	4970		001-			Honors Work (Contact Professor)	3						
Undergraduate ME Technical Electives															
		EAS	4101	301	0001	FM&HT	AERO	Fundamentals of Aerodynamics (Aeronautics TRACK)	3	Wu	3:30PM	4:45PM	T R	AME106	
		EML	4288	301	0001	D&C	DynS ys	Vehicle Design	3	Hollis	11:00AM	12:15PM	T R	A226/ A144	COEA/CE1
		EML	4312	301	0001	D&C	DynS ys	Design & Analysis of Control Systems	3	Hubicki	9:30AM	10:45AM	T R	B214	COEB/CE2
		EML	4450	301	0001	FM&HT	Thrm IFlds	Energy Conversion Systems for Sustainability	3	Ordonez, J.	11:00AM	12:15PM	M W	A125	COEA/CE1
		EML	4542	301	0001	SM&M	Mec Mat	Materials Selection in Design	3	Hellstrom	12:30PM	1:45PM	M W	A235	COEA/CE1
		EML	4804	301	0001	D&C	DynS ys	Mechatronics II (lecture)	3	Clark	9:30AM	10:45AM	M W	AME108	
		EML	4804	301	0001	D&C	DynS ys	Mechatronics II (lab)		Clark	9:30AM	12:00PM	F	B356A	COEB/CE2
		EML	4830	301	0001	D&C	DynS ys	Intro to Mobile Robotics (must take co-requisite below: EML 4830L)	2	Ordonez, C.	12:30PM	1:30PM	T R	A226	COEA/CE1
		EML	4830L	623	0001	D&C	DynS ys	Mobile Robotics Lab	1	Ordonez, C.	8:00AM	10:45AM	F	B356	COEB/CE2
		EML	4830L	624	0002	D&C	DynS ys	Mobile Robotics Lab	1	Ordonez, C.	3:15PM	6:00PM	F	B356	COEB/CE2

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		EML	4930	601	0001	FM&HT	Thrm IFlds	Experimental Methods & Advanced Flow Diagnostics (Aeronautics TRACK)	3	Gustavsson/Kumar	3:30PM	4:45PM	T R	AME108	
		EML	4930	602	0002	SM&M	Mec Mat	Failure Analysis	3	Kalu	12:30PM	1:45PM	M W	A305	COEA/CE1
		EML	4930	603	0003	SM&M	Mec Mat	Materials II	3	Larbalestier	3:30PM	4:45PM	M W	A235	COEB/CE2
		EML	4930	604	0004	SM&M	Mec Mat	Microstructural Characterization of Materials	3	Gibson	2:00 PM	3:15 PM	T R	A226	COEA/CE1
		EML	4930	605	0005	ALL	ALL	Computational Linear Algebra	3	Hubicki	12:30PM	1:45PM	M W	A305	COEA/CE1
		EML	4930	606	0006	ALL	ALL	Network Analysis	3	Oates	12:30PM	1:45PM	M W	A226	COEA/CE1
		EML	4930	607	0007	FM&HT	AERO	Intro to Hypersonic Flows (Aeronautics TRACK)	3	Kumar	2:00PM	3:15PM	T R	AME108	
		EML	4930	608	0008	SM&M	Mec Mat	Introduction to Additive Manufacturing (lecture)	3	Campbell	9:00 AM	10:15 AM	M W	B216	COEB/CE2
		EML	4930	608	0008	SM&M	Mec Mat	Introduction to Additive Manufacturing (lab)		Campbell	10:30 AM	11:45 AM	M W	B216	COEB/CE2
Graduate ME Tech Electives															
		EAS	5102	601	0001	FM&HT	Thrm IFlds	Fundamentals of Aerodynamics (Aeronautics TRACK)	3	Wu	3:30PM	4:45PM	T R	AME106	
		EML	5060	601	0001	ALL	ALL	Analysis in Mechanical Engineering (Part I)	3	Nair	9:30AM	10:45AM	M W	B214	COEB/CE2
		EML	5152	601	0001	FM&HT	Thrm IFlds	Fundamentals of Heat Transfer	3	Guo	2:00PM	3:15PM	M W	A125	COEA/CE1
		EML	5289	601	0001	D&C	DynS ys	Vehicle Design	3	Hollis	11:00AM	12:15PM	T R	A226/ A144	COEA/CE1
		EML	5311	601	0001	D&C	DynS ys	Dsgn Anal Ctrl Systm	3	Hubicki	9:30AM	10:45AM	T R	B214	COEB/CE2
		EML	5451	601	0001	FM&HT	Thrm IFlds	Energy Conversion Systems for Sustainability	3	Ordonez, J.	11:00AM	12:15PM	M W	A125	COEA/CE1
		EML	5543	601	0001	SM&M	Mec Mat	Materials Selection in Design	3	Hellstrom	12:30PM	1:45PM	M W	A235	COEA/CE1
		EML	5709	601	0001	FM&HT	Thrm IFlds	Fluid Mechanics Principles with Selected Applications (Aeronautics TRACK)	3	Shih	11:00AM	12:15PM	M W	AME106	
		EML	5709	602	0002	FM&HT	Thrm IFlds	Fluid Mechanics Principles with Selected Applications (AERO Certificate Program)	3	Shih	ONLINE			ONLINE	
		EML	5803	601	0001	D&C	DynS ys	Mechatronics II (lecture)	3	Clark	9:30AM	10:45AM	M W	AME108	
		EML	5803	601	0001	D&C	DynS ys	Mechatronics II (lab)		Clark	9:30AM	12:00PM	F	B356A	COEB/CE2
		EML	5831	601	0001	D&C	DynS ys	Intro to Mobile Robotics (must take co-requisite below: EML 5831L)	2	Ordonez, C.	12:30PM	1:30PM	T R	A226	COEA/CE1
		EML	5831L	614	0001	D&C	DynS ys	Mobile Robotics Lab FAMU section is EML 4930-614	1	Ordonez, C.	8:00AM	10:45AM	F	B356	COEB/CE2
		EML	5831L	615	0002	D&C	DynS ys	Mobile Robotics Lab FAMU section is EML 4930-615	1	Ordonez, C.	3:15PM	6:00PM	F	B356	COEB/CE2
		EML	5930	601	0001	FM&HT	Thrm IFlds	Experimental Methods & Advanced Flow Diagnostics (Aeronautics TRACK)	3	Gustavsson/Kumar	3:30PM	4:45PM	T R	AME108	

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		EML	5930	602	0002	SM&M	Mec Mat	Failure Analysis	3	Kalu	12:30PM	1:45PM	M W	A305	COEA/CE1
		EML	5930	603	0003	SM&M	Mec Mat	Materials II	3	Larbalestier	3:30PM	4:45PM	M W	A235	COEB/CE2
		EML	5930	604	0004	SM&M	Mec Mat	Microstructural Characterization of Materials	3	Gibson	2:00 PM	3:15 PM	T R	A226	COEA/CE1
		EML	5930	605	0005	ALL	ALL	Computational Linear Algebra	3	Hubicki	12:30PM	1:45PM	M W	A305	COEA/CE1
		EML	5930	606	0006	ALL	ALL	Network Analysis	3	Oates	12:30PM	1:45PM	M W	A226	COEA/CE1
		EML	5930	607	0007	FM&HT	Thrm IFlds	Intro to Hypersonic Flows (Aeronautics TRACK)	3	Kumar	2:00PM	3:15PM	T R	AME108	
		EML	5930	608	0008	FM&HT	Thrm IFlds	Advanced Numerical Methods	3	Yaghoobian	3:30PM	4:45PM	M W	AME108	
	x	EML	5930	609	x			FAMU: MS_Prof Traineeship Project (BSMS Desgin Project)	3	Shih	TBA				
x		EML	5955	x	0001			FSU: MS_Prof Traineeship Project (BSMS Desgin Project)	3	Shih	TBA				
		EML	5935	601	0001			ME Graduate Seminar	0	Oates/Higgins	11:00AM	12:00PM	F	AME106	
Contact (Graduate Studies Program Administrator) Breda Arnell COE A240 WITH TOPIC TITLE needed for the following courses															
1388-	2660-	EML	5905	601-	001 -			(DIS) Directed Independent Study	1-6 (1-12)	ME Faculty member					
2371-	2700-	EML	5971	601-	001 -			MASTER'S THESIS RESEARCH	3-6 (1-12)	ME Advisor					
1098-	2656-	EML	6980	601-	001 -			DISSERTATION	1-12	ME Advisor					
2525-	2708-	EML	8968	601-	001 -			PRELIMINARY DOCTORAL EXAM (scheduled Fall term only)	0	ME Advisor					
1316-	2727-	EML	8976	601-	001 -			MASTERS THESIS DEFENSE (ORAL)	0	ME Advisor					
1315-	2657-	EML	8985	601-	001 -			DISSERTATION DEFENSE	0	ME Advisor				1/18/2024	

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