

Mechanical Engineering Spring 2012 Undergraduate Textbooks

Course Number/Section	Title	Instructor	Text Title	Author	ISBN #	Edition	Price	Required/Optional
MT2813	Intro To Materials Sci	JinJun Lao	Mat Sci & Eng: An Intro	W D Callister, Jr & others	978-0-470-41997-7	8th	\$194.66	R
ME2213	Statics	TBA	Vector Mechanics for Engineers(Statics/Dynamics)	Beer and Johnston	978-007-352940-0	9th	\$202.19	R
ME2211	Statics Lab	J. Al-Sharab	None	None	None	None	None	R
ME3513	Measurement Systems	Sang-hoon Lee	Intro to Mechatronics & Measurement Sys	Histand and Alciatore	73380237	4th	\$152.88	R
ME 2112	Computer Aided Design	N. Dizinno	Solidworks for Technology & Engineering	Valentino & DiZinno	978-0-8311-3415-0	n/a	\$70.00	R
ME3313B	Fluid Mechanics	N. Dizinno	Fundamentals of Fluid Mechanics	Munson, Young Okiishi, Huebsch	978-0-470-437308	6th	\$133.95	R
ME3313A	Fluid Mechanics	I. Sahin	Fundamentals of Fluid Mechanics	Munson, Young Okiishi, Huebsch	978-0-470-437308	6th	\$133.95	R
ME1012 A&B	Intro to Mechanical Engin	S. Nourbakhsh	Introduction to Mechanical Engineering	Jonathan Wickert	13:978-0534552978	2 nd	\$87.02	R
ME3213	Mechanics of Materials	M. Porfiri	Mechanics of Materials	Beer, Johnston, DeWolf, Mazurek	10:0077221400 13:9780077221409	5th	\$165.48	R
ME3211	Mechanics of Materials lab	J. Al-Sharab	None	None	None	None	None	R
ME4373	Intro to Nuclear Engr	TBA	Intro to Nuclear Engr	Larmarsh & Baratta	0-201-82498-1	3rd	\$180.67	R
ME3233A	Machine Design	S. Nourbakhsh	Mechanical Design-An Integrated Approach	A.C. Ugural	13:978-0071215169	2003	\$144.91	R
ME3233B	Machine Design	K. Park	Shigley's Mechanical Engineering Design	R. Budynas, J. K. Nisbett	978-0-07-352928-8	9th	\$202.50	R
ME 3223	Dynamics	TBA	Vector Mechanics for Engineers(Statics/Dynamics)	Beer and Johnston	13 9780077275556	9th	\$202.19	R

ME 3413	Automatic Control	Sang-hoon Lee	Modern Control Systems	Dorf and Bishop	136024580	12th	\$183.00	R
ME3333	Thermodynamics	R. Thorsen	Thermodynamics: An Engineering Approach	Cengel	978-0-07-352932-5	7th	\$225.00	R
ME4983A	Intellectual Prop in Sci & Eng	P. Sutton	Instructor's Notes	None	None	None	None	None
ME4983B	Vehicle Dynamics and Control	A. Scacchioli	Vehicle Dynamics and Control	R. Rajamani	13:9780387263960	2005	\$129.00	R
AE 4613/1546	Aerodynamics	I. Sahin	Fundamentals of Aerodynamics	John D. Anderson	978-0-07-339810-5	5th	\$225.67	R
AE4633	Aerospace Propulsion	I. Kalkhoran	Mechanics and Thermodynamics of Propulsion	Hill and Peterson	0201146592	2nd	\$183.00	R

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ME6153	Thermodynamics of HVAC Systems	A. Vedavarz	Heating Ventilating, & Air Conditioning Analysis Design	McQuiston, Wiley	10:0471470155	6th	\$140.48	R
ME6163	Fluid Mechanics for HVAC System	A. Vedavarz	Heating Ventilating, & Air Conditioning Analysis Design	McQuiston, Wiley	10:0471470155	6th	\$140.48	R
ME6323	Microscopy and Micronalysis	J. Al-Sharab	Materials Characterization: Intro to Microscopic & Spectroscopic Methods	Yang Leng	978-0470822982	8th	\$71.89	R
ME7003	Finite Elements	J. Borowiec	Instructor's Notes	None	None	None	None	None
ME6213	Intro to Solid Mech	J. Lao	Advanced Mechanics of Materials	Boresi,AP, Schmidt,RJ	0-471-43881-2	6th	\$184.75	O
ME7243	Advanced Composite Materials	G. Gupta	Analysis and Performance of Fiber Composites	Agarwal, Lawrence, Broutman Chandrashekhara	471268917	3rd	\$105.00	R
ME7613	Nonlinear Systems: Analysis and Control	V. Kapila	Nonlinear Systems, Prentice-Hall.	Hassan K. Khalil	0-13-067389-7	3rd	\$186 (List Price)	R
ME7863	Research & Communication	P. Walker	Instructor's Notes	None	None	None	None	None
ME7863	Special Topics: Introduction to Robotis	Joo H. Kim	Introduction to Robotics:Mechanics & Control	Craig, J. J.	201543613	3rd	\$121.00	R
ME7873B	Modeling & Control of Hybrid Vehicles	A. Scacchioli	Vehicle Propulsion Systems: Introduction to Modeling and Optimization	L. Guzzella, A. Sciarretta	13:9783540746911	2nd	\$109.00	R