

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

Mechanical Engineering textbooks – Fall semester 2009

Course	Instructor	Book No.	Author	Title	Publisher	Edition	ISBN	Required or Recommended
Math 540	Rad	1.	Erwin Kreyszig	Advanced Engineering Mathematics	Wiley	9 <sup>th</sup>	0471488852	Req'd
Mech 101	Rad	1.	Wickert, J.	Introduction to Mechanical Engineering	Thomson	2nd	9780534552978	Req'd
Mech 211	Chen	1.	Beer & Johnson	Vector Mechanics for Engineers Statics & Dynamics	McGraw-Hill	9th	139780077275556	Req'd
Mech 301	Solovitz	1.	Michael J. Moran, Howard N. Shapiro	Fundamentals of Engineering Thermodynamics	Wiley	6th	9780471787358	Req'd
Mech 303	Solovitz	1.	B.R. Munson, D.F. Young, & T.H. Okiishi	Fundamentals of Fluid Mechanics	Wiley	5 <sup>th</sup>	9780471675822	Req'd
Mech 304	Lynch	1.	Bishop, Robert H.	Learning with Labview 8 Express w/CD	Prentice Hall (Pearson)	1 <sup>st</sup>	0131999184	Recommended
		2.	Gates, Earl	Introduction to Electronics	Thomson Delmar Learning	5 <sup>th</sup>	0140188900x	Recommended
Mech 309	Kim	1.	W.D. Callister, Jr.	Materials Science and Engineering: An Introduction	Wiley	7th	0471736961	Req'd
Mech 314	Rad	1.	Eggert, Rudolf	Engineering Design	Prentice-Hall	1 <sup>st</sup>	013143358-x	Req'd
		2.	Shigley, J., Budynas, R	Mechanical Engineering Design (textbook available with or without outline, which is optional)	McGraw-Hill	8 <sup>th</sup>	9780073487502 (includes outline) <b>OR</b> 0073121932 (used – without outline)	Req'd

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Mech 404	Roedts	1.	Frank P. Incropera, David P. DeWitt, Theodore L. Bergman & Adrienne Lavine	Fundamentals of Heat and Mass Transfer	Wiley	6th	9780471457282	Req'd
Mech 414	Rad	1.	Shigley, Mischke, Budynas	Mechanical Engineering Design <i>(This text is a continuation from MECH 314)</i>	McGraw-Hill	8 <sup>th</sup>	0073121932	Req'd
Mech 416	Chen		<u>No textbook required for this course</u>					
Mech 438	Xue	1.	Campbell, S.A.	Fabrication Engineering at the Micro and Nanoscale	Oxford University Press	3rd	9780195320176	Req'd.
Mech 467	Gurocak		<u>No textbook required for this course</u>					
Mech 476	Kim	1.	Schey, John A.	Introduction to Manufacturing Processes	McGraw-Hill	3rd	9780070311367	Req'd.
Mech 509	Xue	1.	Liu, Chang	Foundations of MEMS	Pearson Prentice Hall		9780131472860	Req'd
Mech 538	Xue	1.	Campbell, S.A.	Fabrication Engineering at the Micro and Nanoscale	Oxford University Press	3rd	9780195320176	Req'd.
Mech 567	Gurocak		<u>No textbook required for this course</u>					
Mech 576	Kim	1.	Schey, John A.	Introduction to Manufacturing Processes	McGraw-Hill	3rd	9780070311367	Req'd.