

College of Technology
Textbook Master List

Department: Mechanical Engineering Technology

Contact Person: Bink Ewing

Phone: 494-7514

School Year 2008-09

Course # & Professor	Title of Text and/or Materials	Edition	New or Same	Author	Publisher	Estimated Enrollment per semester		
						1st	2nd	
MET 102 Harding	Technical Drawing for CGT110 and MET 102 (REQ) ISBN:	13th	New	Gieseke/Harding	Pearson Custom Publishing			
	Machinery's Handbook (REQ) ISBN: 9780831128005	28th	Same	Oberg & Jones	Industrial Press	66	110	
MET 111 Kirk	Professionally copied version of "Mechanics For Engineers: Statics" available only at Copy Mat ISBN 0-02-354400-F (REQ)	1st	Same	R.C. Hibbler	MacMillan/Copymat	90	90	
MET 143 Corum	Materials and Processes in Manufacturing ISBN: 978-0-470-05512-0 (10th edition)	10th	Same	DeGarmo/Black/Kohser	Wiley			
	MET 143 Lab Manual and Supplement ISBN Unknown at this time Available at University Bookstore Only	Latest				120	90	
MET 144 Handy	Materials and Processes in Manufacturing (REQ) ISBN: 0-02-328621-0	9th	Same	DeGarmo, Black, Kohser	Prentice Hall	120	64	
MET 162 Hillsman	Topics in Computations & Analysis in Mechanical Engineering Technology (REQ)	Latest	Same	D. Crabtree	Copymat	150	90	
MET 163 Zentner	Microsoft Office 2007 for Dummies (REQ) ISBN: 0-470-00923-3		Same	Wallace Wang	Wiley	120	40	
MET 211 Hillsman/Kirk	Applied Strengths of Materials-MET 211 McGraw-Hill Custom Text (REQ) From: Statics and Strengths of Materials, Second Edition, ISBN 0-390-88153-8 (University Bookstore Only)		Same	Cheng	McGraw-Hill	72	60	

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MET 212 Kirk	Applications of Engineering Mechanics	Latest	Same	V.S. Hillsman	Copymat	Not offered	Not offered	
MET 213 Thomas	Applied Engineering Mechanics: Dynamics (REQ) ISBN 007-255957-8	4th	Same	A. Jensen and H. Chenoweth	McGraw-Hill	60	60	
	Ream 24 lb 8 1/2x11 Terra Green Color Paper (Wausau Astrobrights) (Spring Only)		New					
MET 214 Thomas	Machine Design (REQ) ISBN 00-201-11280-9	3rd 1984	Same	Creamer	Addison-Wesley	60	60	
	Machine Elements	Latest	Same	Thomas	Classnote Connection			
	Ream 24 lb 8 1/2x11 Cosmic Orange Color Paper (Wausau Astrobrights) (Spring Only)		New					
MET 220 Hutzel	Introduction to Thermodynamics and Heat Transfer plus EES Software (REQ) ISBN: 0077235657	2007	Same	Yunus A. Cengel	McGraw-Hill	70	60	
	MET 220 Laboratory Manual (REQ)		Latest		Learning Systems, Inc.			

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MET 230 Widmer	Fluid Power with Applications (REQ)	7th	Same	Esposito	Prentice-Hall	90	64	
	Laboratory Manual (REQ)	Latest	Same	Widmer/Lugowski	Learning Systems			
MET 241 Handy	Plastics: Materials and Processing (REQ) ISBN 0-13-021626-7	2nd	Same	A. Brent Strong	Prentice-Hall	Not offered	Not offered	
MET 245 (previously 242) Bruce	Materials and Processes in Manufacturing (REQ) ISBN 978-0-470-05512-0	10th	Same	DeGarmo, Black & Kohser	MacMillan			
	Manufacturing Processes Lab Manual (REQ)	Latest	Same	R. G. Bruce	Learning Systems	144	96	
		Latest	Same					

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MET 302 Harding	CATIA V5 Workbook(Release 18) ISBN 978-1-58503-399-7 (REQ)	Release 18		Cozzen	SDC			
	Pro/Engineer Wildfire 5.0 Tutorial and Multimedia CD ISBN 978-1-58503-415-4 (REQ)			Toogood and Zecher	SDC			
	Engineering and Technical Drawing Using Solid Edge Version 17 ISBN 987-58503-253-2 (REQ)			Craig	SDC			
	Basic and Intermediate NX5 Modeling, Drafting, and Assemblies Design Visionaries ISBN 978-0-97543-776-6 (REQ)			Samuel, Pragada and Weeks	SDC	22	Not offered	
	AutoCAD 2009 Tutorial-First Level: 2D Fundamentals ISBN 978-1-58503-433-8 (REQ)			Shih and Granger	SDC			
	AutoCAD 2008 Tutorial-Second Level: 3D Modeling ISBN 978-1-58503-434-5 (REQ)			Shih	SDC			

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MET 311 French	TO BE SELECTED					30	Not offered	
MET 313 Zentner	Applied Fluid Mechanics (REQ) ISBN: 0-13-023120-7	6th	Same	Robert Mott	Prentice Hall	72	78	
MET 317 Denton	Basic Machine Vibrations (REQ) ISBN 0-09669500-03	Latest	Same	Eshleman	VIPress	24	30	
	Machine Diagnostics Course Packet (REQ)	Latest		N.Denton/H. Cooper	BoilerCopyMaker			
MET 320 Kmec	Thermodynamics: An Engineering Approach (w/3.5" Diskette)	6th, 2008	Same	Y.A. Cengel & M.A. Boles	McGraw-Hill	90	45	
	Property Tables, Figures, & Charts to Accompany Thermodynamics, An Engineering Approach (REQ)	4th, 2002	Same	Cengel & Boles	McGraw-Hill			
	Above texts have a combined designation of ISBN 0-07-2517093							
MET 334 Lugowski (Fall) Widmer (Spring)	Fluid Power Circuits and Controls: Fundamentals and Applications (REQ) ISBN: 0849309247	Latest	Same	J.S. Cundiff	CRC Press	16	24	
	MET 334 Advanced Fluid Power Laboratory Manual (REQ)	Latest	Same	J.T. Lugowski	BoilerCopyMaker (Fall Only)			
	MET 334 Advanced Fluid Power Laboratory Manual (REQ)	Latest	Same	Widmer	Learning Systems (Spring Only)			
MET 344 Han	The Technology of Metallurgy (REQ) ISBN 0-02-326900-6	1st.	Same	Dalton	Merill	64	60	

Note: (*) Indicates required textbooks or supplies the student would normally obtain in a previous course which need not be duplicated.

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MET 345 Tomovic	Modern Welding Technology (REQ) ISBN 0-13-241803-7	5th	Same	Carey	Prentice-Hall	Not offered	Not offered	
MET 382 Zhang	Modern Control Technology (REQ) ISBN: 1401858066 Controls and Instrumentation for Automation: MET 382 Lab Manual (REQ)	3rd Latest	Same Same	Kilian Edited by Hutzel, Lugowski, Denton	Thomson/DelMar Learning BoilerCopyMaker		72 72	
MET 400 Zhang	Engineering Design (REQ) ISBN 0-13-143358-X	2005	Same	Rudolph J. Eggert	Prentice Hall	16	30	
MET 411 French	A First Course in the Finite Element Method (REQ) ISBN 13:978-0-534-55298-5	4th	Same	Daryl L. Logan	Thomson Engineering	20	Not offered	
MET 421 Hutzel	Air Conditioning Principles & Systems ISBN 0-13-505306-4	4th 2001	Same	Edward Pita	Prentice-Hall	24	Not offered	
MET 422 Kmec	Powerplant Technology (Custom Version) ISBN 978-0-07-287102-9	Latest	Same	M.M. El-Wakil	McGraw-Hill	Not offered	30	
MET 426 Kmec	Engineering Fundamentals of the Internal Combustion Engine ISBN 0-13-570854-0 (REQ) Internal Combustion Engines MET 426 Lab Manual (REQ)	1997 Latest	Same Same	W.W. Pulkrabek J. F. Kmec	Prentice-Hall Copymat	36	Not offered	
MET 432 Lugowski	MET 432 Laboratory Manual	Latest	Same	J.T. Lugowski	BoilerCopyMaker	Not offered	16	
MET 436 Widmer	TO BE SELECTED		Same			16	Not offered	
MET 446 Jackson	Micro and Nanomanufacturing (REQ) ISBN 0-387-25874-4	2006	Same	M.J. Jackson	Springer	15	24	

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MET 451 Whitt	Managing for Quality and Performance Excellence (REQ) ISBN - 13: 978-0324064685-6 ISBN: - 10: 0-324-64685-2	7th	Same	Evans/Lindsay	Thomson/Southwestern	62	25	
MET 486 Kmec	Race Car Vehicle Dynamics (REQ) ISBN: 1560915269	1995	New	W. Milliken & D. Milliken	Society of Automotive Engineers	Not offered	Not offered	
MET 490 Boregowda	Human Factors Engineering (REQ) ISBN:-10: 0471240893 ISBN:-13: 978-0471240891	1st Edition	New	Chandler A. Phillips	Wiley	16	Not offered	
MET 490 Hutzel	Absorption Chillers and Heat Pumps (REQ) ISBN 0849394279	1996	New	K.Herold, R.Radermacher, S.Klein	CRC Press	Not offered	Not offered	
MET 490 Whitt	New Business Ventures and the Entrepreneur (REQ) ISBN 0073404977	6th	Same	Stevenson, Roberts, Grousbeck, & Bhide	McGraw-Hill	Not offered	25	
MET 490 French	Engineering the Guitar: Theory and Practice (REQ) ISBN: 978-0-387-74368-4	2008	New	Richard Mark French	Springer	Not offered	15	
MET 490 Handy	Greening the Industrial Facility (REQ) ISBN 0-387-24306-2	Latest	Same	Graedel, Howard-Grenville	Springer	Not offered	30	
MET 527 Dyrenfurth	No Information from Instructor					Not offered	10	
MET 530 Hutzel	Mechanical & Electrical Systems in Buildings (REQ) ISBN 0-13-034153-3	4th	New	Tao and Janis	Prentice Hall	Not offered	7	
	Electrical Power and Controls (REQ) ISBN 0-12-113045-5	2nd	Same	Skvarenina and Dewitt	Prentice Hall			
MET 535 Tomovic (Previously TECH 535)	Product Lifecycle Management: Driving the Next Generation of Lean Thinking (REQ) ISBN: 0071452303	2005	Same	Michael Grieves	McGraw-Hill	Not offered	Not offered	

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MET 546 Kraebber	Lean Production Simplified 2nd ed.(RE) ISBN 978-1-56327-356-8	2007	Same	P. Dennis	Productivity Press	0	7	
	The Goal (REQ) ISBN 0-88427-061-0	2nd Revised	Same	Goldratt	North River Press			
	Real Numbers: Management Accounting in a Lean Organization (REQ) ISBN 0-9728099-0-2	2003	Same	J. Cunningham and O. Fiume	Managing Times Press			
MET 581 Handy	IAC and HVAC Workbook (REQ) ISBN 1-883992-16-8	4th	Same	D. Jeff Burton	AIHA	12	Not offered	
MET 581 Boregowda	Human Factors Engineering (REQ) ISBN: 0-471-24089-3	2000	New	C.A. Phillips	John Wiley and Sons, Inc.	Not offered	Not offered	
MET 581 Jackson	Micro and Nanomanufacturing (REQ) ISBN 0-387-25874-4	2006	New	M.J. Jackson	Springer	Not offered	Not offered	
MET 581 French	No Text Required					Not offered	7	

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