

College of Technology
Textbook Master List

Department: Mechanical Engineering Technology

Contact Person: Bink Ewing

Phone: 494-7514

School Year 2009-10

Course # & Professor	Title of Text and/or Materials	Edition	New or Same	Author	Publisher	Estimated Enrollment per semester		
						1st	2nd	2010 Summer
MET 102 Harding	Technical Drawing for CGT110 and MET 102 (REQ) ISBN: 0-536-47649-7		Same	Gieseke/Harding	Pearson Custom Publishing	66	110	
	Machinery's Handbook (REQ) ISBN: 9780831128005	28th	Same	Oberg & Jones	Industrial Press			
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	56	75	
	MET 143 Lab Manual	Latest						
	MET 143 Supplemental Readings ISBN unknown at this time Available at University Bookstore Only							
	Periodic Table, Sargent-Welch (REQ) (Cat. No. S-18806)							
MET 144 Zentner	Materials and Processes in Manufacturing (REQ) ISBN: 0-470-05512-X	10th	New	DeGarmo, Black, Kohser	John Wiley and Sons	88	64	
	Manufacturing Processes Lab Manual (REQ)	Latest			Boiler Copy Shop, PMU			
MET 162 Kirk	Topics in Computations & Analysis in Mechanical Engineering Technology (REQ)	Latest	Same	D. Crabtree	Copymat	150	60	
MET 163 Zentner	Spreadsheet Tools for Engineers Using Excel 2007 (REQ) ISBN:978-0-07-338586-0	1st	New	Byron S. Gottfried	McGraw Hill	120	30	

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12/4/2009

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MET 211 French	Applied Strength of Materials (REQ) ISBN-10 0132368498 ISBN-13 978-0132368490	5th	New	Robert Mott	Prentice Hall	72	48	
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 Ream Solar Yellow 8 1/2 x 11 Paper Wausau -- Astrobright Color (Spring Only)	4th	Same New	A. Jensen and H. Chenoweth	McGraw-Hill	60	50	
MET 214 Thomas	Machine Design (REQ) ISBN 00-201-11280-9 Machine Elements Ream Lunar Blue 8 1/2 x 11 Paper Wausau -- Astrobright Color (Spring Only)	3rd 1984 Latest	Same Same New	Creamer Thomas	Addison-Wesley Classnote Connection	60	50	
MET 220 Hutzel	Introduction to Thermodynamics and Heat Transfer plus EES Software (REQ) ISBN: 0077235657 MET 220 Laboratory Manual (REQ)	2007	New Latest	Yunus A. Cengel	McGraw-Hill	70	48	

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MET 230 Widmer	Fluid Power with Applications (REQ)	7th	Same	Esposito	Prentice-Hall	75	48	
	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		
MET 245 Bruce	Materials and Processes in Manufacturing (REQ) ISBN 978-0-470-05512-0	10th	Same	DeGarmo, Black & Kohser	MacMillan	144	60	
	Manufacturing Systems Laboratory Manual (REQ)	Latest	Same	R. G. Bruce	Learning Systems			
	Manufacturing Systems Lecture Notes (REQ)	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	22	Not offere d	
	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	Design Visionaries			
	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	Strain Measurements and Stress Analysis(Paperback) (REQ) ISBN-10: 0130800767 ISBN-13: 978-0130800763	1st	New	Khan and Wang	Prentice Hall	30	Not offered	
MET 313 Handy	Applied Fluid Mechanics (REQ) ISBN: 0-13-023120-7	6th	Same	Robert Mott	Prentice Hall	60	60	
MET 317 Denton	Basic Machine Vibrations (REQ) ISBN 0-09669500-03	Latest	Same	Eshleman	VIPress	30	28	
	Machine Diagnostics Course Packet (REQ)	Latest		N.Denton/H. Cooper	BoilerCopyMaker			
MET 320 Kmec	Thermodynamics: An Engineering Approach (with Student Resource DVD))	6th, 2008	Same	Y.A. Cengel & M.A. Boles	McGraw-Hill	90	80	
	Property Tables, Figures, & Charts to Accompany Thermodynamics, An Engineering Approach (REQ)	6th, 2008	Same	Cengel & Boles	McGraw-Hill			
MET 334 Lugowski (Fall) Widmer (Spring)	Fluid Power Circuits and Controls: Fundamentals and Applications (REQ) ISBN: 0849309247	1st, 2001	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 346 Han	The Technology of Metallurgy (REQ) ISBN 0-02-326900-6	1st.	Same	Dalton	Merrill	65	60	

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MET 382 Zhang	Modern Control Technology (REQ) ISBN: 1401858066	3rd	Same	Kilian	Thomson/DelMar Learning			
	MET 382 Course Notes (REQ)	Latest	Same	Edited by Hutzel, Lugowski, Denton	BoilerCopyMaker	72	48	
MET 400 Zhang	Engineering Design (OPTIONAL) ISBN 0-13-143358-X	2005	Same	Rudolph J. Eggert	Prentice Hall			
	Course Notes: MET 400 Modern Design Methodology Oriented Capstone Design (REQUIRED)	Latest	New		Boiler Copy Shop, PMU	16	16	
MET 411 Zentner	A First Course in the Finite Element Method (REQ) ISBN 13:978-0-534-55298-5	4th	Same	Daryl L. Logan	Thomson Engineering	Not offered	25	
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 0072871024	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)	1997	Same	W.W. Pulkrabek	Prentice-Hall	36	Not offered	
	Internal Combustion Engines MET 426 Lab Manual (REQ)	Latest	Same	J. F. Kmec	Copymat			
MET 432 Lugowski	MET 432 Laboratory Manual	Latest	Same	J.T. Lugowski	BoilerCopyMaker	Not offered	8	
MET 436 Widmer	TO BE SELECTED					16	Not offered	

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MET 446 Jackson	Micro and Nanomanufacturing (REQ) ISBN 0-387-25874-4	2006	Same	M.J. Jackson	Springer	30	24	
MET 451 Corum	Managing for Quality and Performance Excellence (REQ) ISBN - 13: 978-0324382273 ISBN: - 10: 0-324-382278	7th	Same	Evans/Lindsay	Thomson/Southwestern	62	44	
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 Handy	Greening the Industrial Facility (REQ) ISBN 0-387-24306-2	Latest	Same	Graedel, Howard-Grenville	Springer	Not offered	30	
MET 490B Boregowda	Human Factors Engineering (REQ) ISBN:-10: 0471240893 ISBN:-13: 978-0471240891	1st Edition	New	Chandler A. Phillips	Wiley	Not offered	Not offered	
MET 490C Hutzel	Absorption Chillers and Heat Pumps (REQ) ISBN 0849394279	1996	New	K.Herold, R.Radermacher, S.Klein	CRC Press	Not offered	Not offered	
MET 490E Whitt	New Business Ventures and the Entrepreneur (REQ) ISBN 0073404977	6th	Same	Stevenson, Roberts, Grousbeck, & Bhide	McGraw-Hill	Not offered	Not offered	
MET 490G French	Build Your Own Acoustic Guitar (REQ) ISBN: 0-634-05463-5	1st-2004	New	Jonathan Kinkead	Hal Leonard Publishing	Not offered	Not offered	
MET 490V Huang	Understanding and Applying Machine Vision (REQ) ISBN 0-8247-8929-6	2nd	Same	Nello Zuech	Marcel Dekker, Inc.	Not offered	Not offered	
MET 527 Dyrenfurth	TO BE SELECTED					Not offered		

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MET 530 Hutzel	Mechanical & Electrical Systems in Buildings (REQ) ISBN 9780135130131	4th	New	Tao and Janis	Prentice Hall	Not offered	6	
MET 535 Tomovic	110	2005	Same	Michael Grieves	McGraw-Hill	Not offered	Not offered	
MET 546 Kraebber	Lean Production Simplified 2nd ed.(RE) ISBN 978-1-56327-356-8	2007	Same	P. Dennis	Productivity Press	Not offered	Not offered	
	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 French	No Text Required					Not offered	20	
MET 581 Handy	IAC and HVAC Workbook (REQ) ISBN 1-883992-16-8	4th	Same	D. Jeff Burton	AIHA	12		
MET 581 Boregowda	Human Factors Engineering (REQ) ISBN: 0-471-24089-3	2000	New	C.A. Phillips	John Wiley and Sons, Inc.	Not offered		
MET 581 Jackson	Micro and Nanomanufacturing (REQ) ISBN 0-387-25874-4	2006	New	M.J. Jackson	Springer	Not offered		
MET 581 Harding	Standards, Conformity Assessment, and Accreditation for Engineers (REQ) ISBN: 13: 978-1-4398-0094-2	2009	New	Robert D. Hunter	CRC Press	25	20	