

## Textbooks – Master List

New Course #	Book
MECH 100	Technical Graphics Communication 3 <sup>rd</sup> Edition by Bertoline, Wiebe, Miller and Mohler (McGraw-Hill 0-07365598-8
MECH 210	Riley, W.F., Sturges, L.D., Statics, 2 <sup>nd</sup> ed., John Wiley & Sons 0-471-05333-3
MECH 212	-“ <i>Mechanics of Materials</i> ”, By F. P. Beer, E.R. Johnston, and J.T DeWolf. McGraw-Hill, 4 <sup>th</sup> Edition, 2006 ISBN 0073107956
MECH 231	no text for lab
MECH 300	Technical Graphics Communication 3 <sup>rd</sup> Edition by Bertoline, Wiebe, Miller and Mohler (McGraw-Hill) 0-07365598-8
MECH 310	Principles of Dynamics, 11/E Russell C Hibbeler 0-13-156148-0 (Student Study Pack). Publisher: Prentice Hall Copyright: 2006
MECH 311	No text
MECH 312	Fundamentals of Machine Component Design, 4th edition, by Juvinall and Marshek, Wiley, 2006., ISBN Number: 0-471-66177-5
MECH 320	Sonntag - Fundamentals of Thermodynamics –0-471-15232-3– package John Wiley and Sons. 6 <sup>th</sup> ed.
MECH 322	Munson, Young, Okishi – Fundamentals of Fluid Mechanics 5 <sup>th</sup> ed.0-471-675822
MECH-325	Introduction to Thermal Systems Engineering: Thermodynamics, Fluid Mechanics, and Heat Transfer Michael J. Moran, Howard N. Shapiro, Bruce R. Munson, David P. DeWitt - ISBN: 0-471-20490-0 - Paperback 576 pages - September 2002
MECH 330	(WCS)Multidiscipline Systems 2 <sup>nd</sup> ed. by P. Barak ISBN 047173604x
MECH 350	No text
MECH 412	Mechanical Design: An Integrated Approach, Ugural, Ansel C. McGraw-Hill, ISBN 0072921854 2nd text: <i>Ethics in Engineering</i> , 4th Edition Author: Mike W. Martin Publisher: McGraw-Hill ISBN #: 0072831154/9780072831153
MECH 420	Introduction To Heat Transfer , 5th Edition, Wiley Frank P. Incropera, David P. DeWitt - ISBN: 0-470-05553.7Hardcover 912 pages - August 2001
MECH 422	Energy Systems, Third Edition, Wiley, ISBN 0-471-74421-2, Pourmovahed and Navaz, 2007
MECH 423	No Textbook
MECH 430	Brown – Taylor & Francis Engineering System Dynamics 2 <sup>nd</sup> ed. ISBN 978-0-8493-9648-9
MECH 448	No Text
MECH 454	No Text
MECH 480	No text
MECH 490	Hydraulic Component Sizing, Parker Hannifin corp 1976, Industrial Hydraulics Manual, Vickers, 1992
MECH 510	Mechanism Design – Analysis and Synthesis, 4 <sup>th</sup> Edition by A. Erdman, G. Sandor and S. Kota, Volume 1, ISBN: 0-13-040872-7 Publisher: Prentice Hall Copyright: 2001
MECH 512	Lecture notes
MECH 514	Experimental Mechanics

MECH 515	Metal Fatigue in Engineering, 2 <sup>nd</sup> ed. RI Stevens, et al, Wiley ISBN 0-471-51059-9
MECH 516	A Primer for Finite Elements in Elastic Structures – W. F. Carroll, John Wiley & Sons ISBN 0-471-28345-2
MECH 521	No Text
MECH 522	Advanced Engineering Mathematics, Third Edition, Oxford university Press, ISBN 0-19-516018-5
MECH 523	Computational Fluid Mechanics and Heat Transfer by Tannehill Publisher: Routledge; 2nd edition (April 1, 1997) ISBN: 156032046X
MECH 524	
MECH 526	"Fuel Cells Explained" by Larminie & Dicks 2nd Edition. By John Wiley. 0-470-84857-x
MECH 527	Nersesian, R.L., <i>Energy for the 21st Century: A Comprehensive Guide to Conventional and Alternative Sources</i> , M.E. Sharpe, 2006
MECH 540	J.B. Heywood, Internal Combustion Engines Fundamentals. McGraw Hill Inc. 1988 0-07-028637-x
MECH 541	Departmental developed handout notes used.
MECH 542	The Automotive Chassis: Engineering Principles, J. Reimpell & H. Stoll, SAE International 2 <sup>nd</sup> ed. 2001 ISBN Number: 0-7680-0657-0 Date Published: June 2001
MECH 544	"Introduction to Powertrains," self-published.
MECH 545	Modern Electric, Hybrid Electric, and Fuel Cell Vehicles, by Ehsani, Gao, Gay and Emadi CRC Press, 2005 ISBN 0-8493-3154-4
MECH 546	No textbook
MECH 550	No Textbook as of Spring 07
MECH-551	No textbook
MECH 554	No textbook
MECH 570	No textbook
MECH 572	
MECH 580	Intro to Physical Polymers by Sperling. Publisher: Wiley-Interscience; 4 edition (December 7, 2005) ISBN-10: 047170606X ISBN-13: 978-0471706069
MECH 584	No textbook
MECH 610	<i>Advanced Strength and Applied Stress Analysis</i> , Budynas, 2nd Edition, McGraw-Hill. ISBN 0-07-008985-X.
MECH-621	Mech-621 (Applied Transport Phenomena) textbook is: Fundamentals of Momentum Heat and Mass Transfer, 4th Edition by Welty, Wicks, Wilson, & Rorrer, Wiley Publishing ISBN 0-471-38149-7.
MECH 622	Numerical Heat Transfer and Fluid Flow by S.V. Patankar. Publisher: John Benjamins Publishing Co (June 1, 1980) ISBN: 0891165223
MECH 640	(I) J.B. Heywood, Internal Combustion Engines Fundamentals. McGraw Hill Inc. 1988 (II) Heinz Heisler, 2 <sup>nd</sup> Ed. SSA Publications, 1999. ISBN 0-7680-0237-0
MECH 641	Mech-641 (Combustion and Emissions) textbook is: An Introduction to Combustion, 2nd Edition, by Stephen Turns, McGraw Hill Publishing. ISBN 0-07-235044-x.
IME 507	No text