

Text Books for Freshman

First Year, 1st Semester (Freshman), Level 1		
Course Code	Course Title	Textbooks
MATH 111	Calculus I	Howard Anton, Irl Bivens & Steven Davis, John (2013). <i>Calculus – Early Transcendental</i> , 10 th Edition. Singapore: John Wiley & Sons, Inc
ENGL 117	English Composition I	Savage, A., & Mayer, P. (2005). <i>Effective academic writing 2: The short essay</i> . Oxford: Oxford University Press.
SCI 152	General Physics I	Halliday, D, Resnick, R, and Walker, J, (2011). <i>Principles of Physics</i> , 10 th Edition. Singapore: John Wiley & Sons, Inc
SCI 154	General Chemistry	Raymond Chang & Kenneth A. Goldsby (2013). <i>Chemistry</i> , 11th Edition. New York, USA: McGraw Hills. General Chemistry Lab Manual, JUC 2016.
GS 171	Belief and its Consequences	هنادي ، محمد بن عبدالقادر . (2014). <i>الإيمان بأركانه وثمراته في ضوء القرآن والسنة</i> . مكتبة دار الزمان للنشر والتوزيع، المدينة المنورة.
GS 161	Arabic Practical Grammar	عبداللطيف ، محمد حماسة، عمر، أحمد مختار، و النحاس، مصطفى. (2008). <i>النحو الأساسي</i> . دار الفكر العربي ، القاهرة

First Year, 2nd Semester (Freshman), Level 2		
Course Code	Course Title	Textbooks
MATH 112	Calculus II	Howard Anton, Irl Bivens & Steven Davis, John (2013). <i>Calculus – Early Transcendental</i> , 10 th Edition. Singapore: John Wiley & Sons, Inc
ENGL 118	English Composition II	Bailey, S. (2011). <i>Academic Writing: A Handbook for international students</i> , 3 rd Edition. NY: Routledge.
CS 110	Computer Programming	Gray Bronson. (2011). <i>C++ For Engineers & Scientists</i> . USA: Cengage Learning
SCI 153	General Physics II	Halliday, Resnick and Jearl Walker (2011). <i>Principles of Physics</i> , 10th Edition. Singapore: John Wiley & Sons, Inc.
GS 272	Professional Ethics	الحميدان ، عصام. (2010). <i>أخلاقيات المهنة في الإسلام وتطبيقاتها في أنظمة المملكة العربية السعودية</i> . العبيكان للنشر، المملكة العربية السعودية
GS 262	Arabic Professional Writing	فضل الله ، محمد رجب. (2008). <i>عمليات الكتابة الوظيفية وتطبيقاتها</i> . عالم الكتب ، القاهرة

Text Books for Sophomore

Second Year, 1st Semester (Sophomore), Level 3		
Course Code	Course Title	Textbooks
CE 201	Statics	R. C. HIBBELER, (2016), <i>Engineering Mechanics: Statics</i> , 14 th Edition. USA: Prentice Hall.
ME 211	ME Drawing I	Frederick E Giesecke, A. Mitchell, HC, Spencer, IL Hill, JT Dygdon, JE Novak, S Lockhart.(2012). <i>Technical Drawing with Engineering Graphics</i> , 14 th Edition. New York, USA: Prentice Hall International
ME 202	Materials Science	William D. Callister. (2014). <i>Materials Science and Engineering</i> , 9 th Edition. USA: John Wiley & Sons
ME 203	Thermodynamics I	Cengel, Y. A. and Boles, A. B. (2014). <i>Thermodynamics, an Engineering Approach</i> , 8 th Edition. USA: McGraw Hill
MATH 211	Calculus III	Howard Anton, Irl Bivens & Steven Davis, John (2013). <i>Calculus – Early Transcendental</i> , 10 th Edition. Singapore: John Wiley & Sons, Inc
GS 363	Arabic Communication Skills	الفیصل ، سمیر روجی و جمل ، محمد جهاد (2009). <i>مهارات الاتصال في اللغة العربية</i> . دار الكتاب الجامعي ، العين ، الإمارات العربية المتحدة
GS 373	Human Rights in Islam	الطهار ، راو ة بنت أحمد (2007). <i>حقوق الانسان في الإسلام</i> . دار مكتبة الزمان ، المدينة المنورة

Second Year, 2nd Semester (Sophomore), Level 4		
Course Code	Course Title	Textbooks
ME 212	ME Drawing I	Frederick E Giesecke, A. Mitchell, HC, Spencer, IL Hill, JT Dygdon, JE Novak, S Lockhart.(2012). <i>Technical Drawing with Engineering Graphics</i> . 14 th Edition. New York, USA: Prentice Hall International
ME 204	Thermodynamics II	Cengel, Y. A. and Boles, A. B. (2014). <i>Thermodynamics, an Engineering Approach</i> . 8 th Edition. USA: McGraw Hill
ME 205	Manufacturing Processes I	Kalpajian S. & Steven Schmid R. (2013). <i>Manufacturing Engineering and Technology</i> . 7 th Edition. Singapore: Pearson Ed Asia.
ME 208	Mechanics of Materials	Hibbeler R. C. (2013). <i>Mechanics of Materials</i> . 9 th Edition. USA: Prentice Hall.
ME 301	Dynamics	Hibbeler R. C. (2013). <i>Engineering Mechanics: Dynamic</i> . 13 th Edition. USA: Prentice Hall.
MATH 212	Elements of Different. Equations	Dennis G. Zill, (2012), <i>A First Course in Differential Equations with Modeling Applications</i> . Boston, USA: Brooks/Cole CENGAGE Learning.

Text Books for Junior

Third Year, 1st Semester (Junior), Level 5		
Course Code	Course Title	Textbooks
ME 306	Fundamentals of Electric Circuits	James W.Nilson and Susan A.Riedel. (2014). <i>Fundamentals of Electric Circuits</i> . 10 th Edition. UK: Pearson.
ME 307	Machine Design I	Shigley, J. E. and Mischke, C. R. (2014). <i>Mechanical Engineering Design</i> . 10 th Edition. USA: McGraw Hill.
ME 310	Mechanics of Machines	W.L.Cleghorn. (2010). <i>Mechanics of Machines</i> . International Edition. UK: Oxford University Press
ME 313	Engineering Fluid Mechanics	Yunus Cengel,John Cimbala. (2013). <i>Fluid Mechanics:Fundamentals and applications, 3rd Edition</i> .USA: Mcgraw Hill Higher Education Publication.
MATH 315	Methods of Applied Maths.	Dennis G. Zill & Warren S. Wright (2011). <i>Advanced Engineering Mathematics</i> . Sudbury, USA: Jones & Bartlett.
MATH 312	Probability & Statistics	Ronald E. Walpole, Raymond H. Myers , Sharon L. Myers, Keying Ye (2007), <i>Probability & Statistics for Engineers & Scientists</i> . Singapore, Pearson Education Inc.

Third Year, 2nd Semester (Junior), Level 6		
Course Code	Course Title	Textbooks
ME 311	Heat Transfer	Cengel, Y.A. (2011). <i>Heat And Mass Transfer</i> , 4 th Edition. USA: McGraw-Hill Higher Education Publisher.
ME 312	Thermo-fluid Lab.	JUC Thermo-Fluid Lab Manual
ME 401	Design Project I	Cross, N. (2008). <i>Engineering Design Methods: Strategies for Product Design</i> , 4 th Edition. USA: Wiley-Blackwell
ME 413	Electromechanical Devices	Zia A Yamee and Juan L Bala Jr. (1994). <i>Electromechanical Energy Devices and Power Systems</i> . USA: John Wiley & Sons
ME 414	Machine Design II	Shigley, J. E. and Mischke, C. R. (2014). <i>Mechanical Engineering Design</i> , 10 th Edition. USA: McGraw Hill.

Text Books for Senior

Fourth Year, 2nd Semester (Senior), Level 7		
Course Code	Course Title	Textbooks
ME 314	Systems Dynamics and Control	Ogata, Katsuhiko (2013). <i>System Dynamics</i> , 4 th Edition. NY, USA: Pearson Prentice Hall
ME 402	Design Project II	Cross, N. (2008). <i>Engineering Design Methods: Strategies for Product Design</i> , 4 th Edition. USA: Wiley-Blackwell
ME 411	Industrial Safety	C. Ray Asfahl, David W. Rieske (2009). <i>Industrial Safety And Health Management</i> , 6 th Edition. International Version. UK: Pearson
ME 441	Computational Mechanics	Chen, A, Liu, Y. (2014). <i>Finite Element Modeling and Simulation with ANSYS Workbench</i> , 1 st Edition. USA: CRC Press.
BUS 261	Business Communication	Scot Ober (2006). <i>Contemporary Business Communication</i> . USA: Houghton Mifflin.
BUS 481	Engineering Economics	Chan S. Park (2010), <i>Contemporary Engineering Economics</i> . UK: Pearson Education.

Textbooks for Elective Courses

Third Year, 2 nd Semester (Junior), Level 6 and Fourth Year, 2 nd Semester (Senior), Level 7		
Course Code	Course Title	Textbooks
ME 416	Manufacturing Processes II	Kalpakjian S. & Steven Schmid R. (2013). <i>Manufacturing Engineering and Technology</i> . 7 th Edition. Singapore: Pearson Ed Asia.
ME 417	Maintenance Engineering	Keith Mobley, Lindley R. Higgins, Darrin J. Wikoff. (2014). <i>Maintenance Engineering Handbook</i> . 8 th Edition. NY USA: McGraw-Hill Professional
ME 418	Compressible Fluid Flow	Oosthuizen, P. H., William E. (2013). <i>Compressible Fluid Flow</i> . 2 nd Edition. USA: McGraw-Hill
ME 419	Turbomachinery	Saravanamuttoo, H., Rogers, G. and Cohen, H. (2008). <i>Gas Turbine Theory</i> . 6 th Edition. USA: Prentice Hall.
ME 422	Internal Combustion Engines	Heywood, J. (2011). <i>Internal Combustion Engine Fundamentals</i> . USA: Indian Edition. McGraw-Hill.
ME 423	Fluid Power System	Anthony Esposito. (2013). <i>Fluid Power with Applications</i> . 7 th Edition. USA: Prentice Hall Inc
ME 424	Heat Exchangers	Kakac, S. & Liu, Hongtan. (2012). <i>Heat Exchangers: Selection, Rating and Thermal Design</i> . Boca Raton, 3 rd Edition. USA: CRC Pres.
ME 425	Pumping Machinery	James B. Rishel (2002). <i>Water Pumps and Pumping System: Water/Wastewater Treatment Application, 1st Edition</i> . USA: McGraw-Hill Professional
ME 426	Energy Conversion	Duffie, J., and Beckman, W. (2013). <i>Solar Engineering of Thermal Processes, 4th Edition</i> . USA: Wiley Publication.
ME 427	Production Engineering	Nee, John (2010). <i>Fundamentals of Tool Design</i> , 6 th Edition. Dearborn, USA: Society of Manufacturing Engineers
ME 428	Metallurgy	William D. Callister. (2014). <i>Materials Science and Engineering</i> , 4 th Edition. USA: John Wiley & Sons.
ME 429	Mechanical Vibration	Rao, S.S. (2016). <i>Mechanical Vibration</i> , 6 th Edition. OH, USA: NJ, Prentice Hall
ME 431	Corrosion Engineering	Zaki Ahmed (2006). <i>Principles of Corrosion Engineering and Corrosion Control</i> , 1 st Edition. Elsevier Ltd
ME 436	Finite Element Analysis	Klaus-Jurgen Bathe (2014). <i>Finite Element Procedures</i> , 2 nd Edition. USA: McGraw Hill.
ME 437	Additive Manufacturing	Ian Gibson, David Rosen, Brent Stucker. (2015). <i>Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing</i> , 2 nd Edition. New York, USA: Springer.
ME 438	Industrial Noise & Control	David A. Bies and Colin H. Hansen (2009), <i>Engineering Noise Control: Theory And Practice</i> . 4 th Edition. New York, USA: Spon Press.
ME 439	Computational Fluid Dynamics	Tu, J., Yeoh, G. H. and Li, C. (2013). <i>Computational Fluid Dynamics, A Practical Approach</i> , 2 nd Edition. USA: Butterworth-Heinemann.
ME 440	Refrigeration & Air conditioning	Stoecker W.E and Jerald W.J (2014). <i>Refrigeration and Air Conditioning</i> , 2 nd Edition. USA: McGraw Hill