UK College Of Engineering - Paducah Campus

2020 SPRING Textbook List

Course	Title	Author	Edition	Publisher	ISBN#	Instructor
CME 006-010 *The Engineering Profession*	**NO TEXT REQUIRED**					**Englert**
CME 220-010 *Computational Tools* *for Chemical Engineers*	**Engineering with Excel** **Introduction to MATLAB** **Matlab for Engineers (Optional)**	**R.W. Larsen** **D.M. Etter** **H. Moore**	**5th** **4th** **3rd**	**Pearson** **Source** **Source**	**978-0134589664** **978-0134615288** **N/A**	**Lamas**
CME 320-010 *Engineering* *Thermodynamics*	**Fundamentals of Chemical Engineering Thermodynamics**	**Dahm & Visco**	**1st**	**Cengage**	**ISBN-10: 1111580707** **ISBN-13: 978-1111580704**	**Seay**
CME 420-010 *Process Modeling in CME*	**Numerical Methods for Engineers** **Applied Numerical Methods with Matlab (Optional)**	**Chopra & Canale** **S. Chapra**	**7th** **4th**	**McGraw Hill** **McGraw Hill**	**978-0073397924** **N/A**	**Lamas**
CME 425-010 *Heat and Mass Transfer*	**Fundamentals of Momentum, Heat, and Mass Transfer**	**Welty, Rorrer, Foster**	**6th Revised**	**Wiley**	**978-1-118-80427-8**	**Hwang**
CME 432-010 *Chemical Engineering Lab I*	**NO TEXT REQUIRED**					**Hwang/Lamas**
CME 456-010 *CME Process Design II*	**Chemical Engineering Design: Principles, Practice,** **and Economics of Plant and Process Design**	**Towler & Sinott**	**2nd**	**Elsevier**	**978-0080966595**	**Seay**
CME 462-010 *Chemical Process* *Control*	**Chemical and Bio-Process Control** **(SEE INSTRUCTOR FOR PURCHASING INFO)**	**Riggs & Karim**	**4th**	**Ferret** http://www.bookmasters.com/Shop/Title/9780966960181	**978-0-966-96018-1**	**Silverstein**

CME 599-010 **Interfacial**	**Interfacial Engineering**	**Stokes & Evans** **DeLisa**	**PB or** **Ebook**	**Wiley**	**978-0471186472**	**Silverstein**
EGR 103-016 *Engineering* *Exploration II*	**Engineering Fundmentals: An Introduction to Engineering** ***This is the same book used for EGR 101 in Fall 2019 - students do **NOT** have to purchase another copy***	**Saeed Moaveni**	**5th**		**978-1-305-11032-8** http://www.cengagebrain.com/course/1656378	**Maddox/Englert**
ME 251-010 *Materials and Manufacturing Processes*	**DeGarmo's Materials & Processes in Manufacturing**	**J.T. Blac &** **Ronald A. Kohser**	**11th** **or higher**	**Wiley**	**12th edition:** **978-1118987674**	**Ghimire**
ME 310-010/011 *Engineering Experimentation I*	**Mechanical Measurements**	**Beckwith,** **Marangoni, &** **Lienhard**	**6th** **or higher**	**Pearson**	**6th edition:** **978-0-201-84765-5**	**Ghimire**
ME 325-010 *Elements of Heat Transfer*	**Fundamentals of Heat and Mass Transfer**	**Bergman, Lavine,** **Incropera, & Dewitt**	**8th**	**Wiley**	**0470501979**	**Maddox**
ME 340-010 *Intro to Mechanical Systems*	**Modeling and Analysis of Dynamic Systems**	**Close, Frederick, &** **Newell**	**3rd**	**Wiley**	**978-0-471-39442-6**	**Markutsya**
ME 344-010 *Mechanical Design*	**Shigley's Mechanaical Engineering Design**	**Budynas & Nisbett**	**10th**	**McGraw-Hill**	**978-0073398204**	**Baker**
ME 412-010 *ME Capstone Design II*	**Engineering Design: Materials and Proc. Approach** ***This is the same book used for ME 411 in Fall 2019 - students do **NOT** have to purchase another copy***	**Dieter, Schmidt**	**5th**	**McGraw-Hill**	**978-0071326254**	**Baker/Lu/** **Ghimire**
ME 514-201 (Online) *Computational Techniques in Mechanical System Analysis*	**Finite Element Simulations with ANSYS Workbench 19** **Theory, Applications, Case Studies**	**Huei-Huang Lee**		**SDC** **Publications**	**978-1-630572990**	**Baker**
ME/MFS/CME/MSE 556-201 **(Online)** *Intro to Composite Materials*	**Engineering Mechanics of Composite Materials** ****OPTIONAL TEXT, NOT REQUIRED**	**Daniel and Ishai**	**2nd**	**Oxford University Press**	**978-0195150971**	**Lu**
ME 599-010 *Applied CFD and Numerical Heat Transfer*	**Applied Computational Aerodynamics: A Modern Engineering Approach** ****OPTIONAL TEXT, NOT REQUIRED**	**Cummings,** **Morton, Mason,** **McDaniel**	**1st**	**Cambridge**	**978-1107053748**	**Maddox**
ME 599-011 *Introduction to Modeling and Simulation*	**NO TEXT REQUIRED**					**Markutsya**
ME 417 *Steel Metal Forming*						**Lu**
STA 381 *Engineering Statistics*	**Applied Statistics and Probablity for Engineers** **Engineering Statistics, A Conceptual Approach (Supplemental, but required)**	**Montgomery, Runger** **Rayens**	**7th** **8th**	**Wiley** **Van-Griner**	**978119400226(WileyPlus access code plus e-book) OR 978119409533(Physical book plus WileyPlus access code)** **9781617404788**	**Smith**