

### Textbooks for the Freshman Year

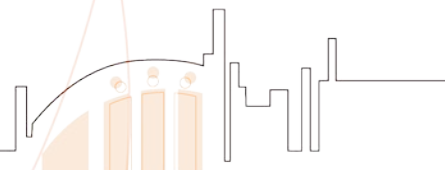
First Year, 1st Semester (Freshman), Level 1		
Course Code	Course Title	Textbooks
CE 101	Introduction to Civil Engineering	Mau, <a href="#">S.T. and</a> Maalouf <a href="#">S.</a> (2014), <i>Introduction to Civil Engineering</i> , California, USA: Cognella Academic Publishing.
MATH 111	Calculus I	Howard Anton, Irl Bivens, Steven Davis, (2009), <i>Calculus – Early Transcendental single variable</i> , 9th Edition, John Wiley & Sons, Inc
ENGL 117	English Composition I	Alice Savage and Patricia Mayer, (2012), <i>Effective Academic Writing 2</i> 2nd edition Oxford Press
SCI 152	General Physics I	Halliday. D, Resnick. R, and Walker. J, (2011), <i>Principles of Physics</i> , 9Th Edition, John Wiley & Sons, Inc
SCI 154	General Chemistry	Raymond Chang & Goldsby, (2012), <i>Chemistry</i> , 11th Edition McGraw-Hill.
GS 171	Belief and its Consequences	الإيمان، أركانه وثمراته في ضوء القرآن والسنة د. محمد عبدالقادر هنادي الطبعة السابعة ١٤٣٣، شركة المدينة المنورة للطباعة والنشر / ٠٠٦٠٣-٩٧٨-٠٠٤٩٢٤٠٠٠

First Year, 2nd Semester (Freshman), Level 2		
Course Code	Course Title	Textbooks
MATH 112	Calculus II	Howard Anton, Irl Bivens, Steven Davis, (2009), <i>Calculus – Early Transcendental single variable</i> , 9th Edition, John Wiley & Sons, Inc
ENGL 118	English Composition II	Bailey, Stephen. Routledge, (2011), <i>Academic Writing A Handbook for Students</i> Third Edition
CS 110	Computer Programming	Gary J. Bronson, (2005), <i>C++ for Engineers and Scientists</i> , 3rd Edition, Cengage Learning.
SCI 153	General Physics II	Halliday. D, Resnick. R, and Walker. J, (2011), <i>Principles of Physics</i> , 9Th Edition, John Wiley & Sons, Inc
GS 161	Arabic Practical Grammar	النحو الأساسي تأليف الدكتور محمد حماسة عبداللطيف، الدكتور أحمد مختار عمر، والدكتور مصطفى النحاس 1417هـ / 1997م. دار الفكر العربي - القاهرة. 9771009087
CE 201	Statics	Hibbeler, R.C. (2013). <i>Engineering Mechanics: Statics</i> , USA: Prentice Hall Publisher

### Textbooks for the Sophomore Year

Second year, 1st Semester (Sophomore), Level 3		
Course Code	Course Title	Textbooks
CE 202	Computer Graphics	Yarwood , A. (2009) . <i>Introduction to Auto-Cad 2010 : 2D and 3D Design</i> . Burlington, USA: Newnes
CE 204	Structural Mechanics I	Hibbeler, R.C. (2014), <i>Mechanics of Materials</i> , , Singapore: Prentice Hall
CE 205	Engineering Fluid Mechanics	Crowe, C. T., Donald, F. E. and John, A. R. ( 2014). <i>Engineering Fluid Mechanics</i> . USA: John Wiley & Sons
CE 317	Environmental Engineering Principles	Davis and Masten, (2013) <i>Principles of Environmental Engineering and Science</i> , Third Edition, USA: McGraw Education
MATH 211	Calculus III	Howard Anton, Irl Bivens, Steven Davis (2009), <i>Calculus – Early Transcendental single variable</i> , , 9th Edition, John Wiley & Sons, Inc
GS 262	Arabic Professional Writing	عمليات الكتابة الوظيفية وتطبيقاتها د/ محمد رجب فضل الله عالم الكتب / القاهرة ٢٠٠٨ ٩٧٧٢٣٢٣٢٥٧
GS 132	Physical Education II	Text Book Not Required

Second year, 2nd Semester (Sophomore), Level 4		
Course Code	Course Title	Textbooks
CE 206	Surveying	Barry F Kavanagh. (2012), <i>Surveying Principles and Applications</i> , Pearson Prentice Hall
CE 308	Structural Materials	Steven, H. K., Beatrix, K. and William C. P. (2002). <i>Design and control of concrete mixtures</i> , USA: Portland Cement Association Publisher
CE 309	Structural Analysis I	Hibbeler, R.C. (2012), <i>Structural Analysis</i> , Singapore: Prentice Hall
CE 315	Geotechnical Engineering I	Braja, B. D. and Sobhan, K. (2014). <i>Principles of Geotechnical Engineering</i> , USA: Cengage Learning.
ME 301	Dynamics	Hibbeler R. C. (2014). <i>Engineering Mechanics: Dynamic</i> . USA: Prentice Hall.
GS 363	Arabic Communication Skills	مهارات الاتصال في اللغة العربية د/ سمير روجي الفيصل ، د/ محمد جهاد جمل دار الكتاب الجامعي / العين / الإمارات ٢٠٠٩



### Textbooks for the Junior Year

Third year, 1st Semester (Junior), Level 5		
Course Code	Course Title	Textbooks
CE 311	Engineering Hydrology I	Gupta, R. S. (2008). <i>Hydrology and Hydraulic System</i> . USA: Waveland Press
CE 312	Reinforced Concrete I	McCormack, J. C. & Brown, R. H. (2014). <i>Design of Reinforced Concrete</i> , USA: John Wiley & sons, Inc.
CE 318	Transportation Engineering	Garber, N. J. and Hoel, L. A. (2010). <i>Traffic and Highway Engineering</i> , USA: Cengage Learning
CE 438	Foundation of Earth Structures Design	Braja, M.D. (2016), <i>Principles of Foundation Engineering</i> , USA: Cengage learning
MATH 212	Elements of Differential Equations	Dennis G. Zill, (2012), <i>A First Course in Differential Equations with Modeling Applications</i> . Boston, USA: Brooks/Cole CENGAGE Learning
GS 272	Professional Ethics	أخلاقيات المهنة في الإسلام وتطبيقاتها في المملكة العربية السعودية تأليف الدكتور عصام الحميدان

Third year, 2nd Semester (Junior), Level 6		
Course Code	Course Title	Textbooks
MATH 312	Probability & Statistics	Ronald E. Walpole, Raymond H. Myers , Sharon L. Myers, Keying Ye (2007), <i>Probability &amp; Statistics for Engineers &amp; Scientists</i> . Singapore, Pearson Education Inc.
MATH 314	Numerical Methods	Chapra and Canale, (2009), <i>Numerical Methods For Engineers</i> , 6th edition, McGraw-Hill Education.
CE 443	Construction Estimating and Costing	David J Pratt. (2010). <i>Fundamentals of Construction Estimating</i> . Boston ,USA .Cengage Learning
CE 452	Design Project I	N/A



### Textbooks for the Senior Year

Fourth year, 1st Semester (Senior), Level 7		
Course Code	Course Title	Textbooks
CE 418	Computational Mechanics	Reddy J.N. (2009). <i>An Introduction to the Finite Element Method</i> , U.S.A: McGraw-Hill Education.
CE 419	Construction Methods and Management	Nunnally, S.W. (2014), <i>Construction Methods and Management</i> , London: Pearson Education Limited.
CE 453	Design Project II	N/A
GS 373	Human Rights in Islam	حقوق الإنسان في الإسلام: أ.د. راوية بنت أحمد الظهار الطبعة الثانية ، ١٤٢٨ هـ مكتبة دار الزمان ، المدينة المنورة ، ٩٩٦٠٩٨٩٠٥٤
BUS 481	Engineering Economics	Chan S. Park (2010), <i>Contemporary Engineering Economics</i> . UK: Pearson Education



### Textbooks for Elective Courses

Third Year, 2nd Semester (Junior), Level 6 and Fourth Year, 1st Semester (Senior), Level 7		
Course Code	Course Title	Textbooks
CE 411	Structural Analysis II	Hibbeler, R.C. (2012), <i>Structural Analysis</i> , Singapore: Prentice Hall
CE 412	Pavement Engineering	Garber, N. J. and Hoel, L. A. (2010). <i>Traffic and Highway Engineering</i> , USA: Cengage Learning
CE 422	Steel Design I	Salmon, C. G, Johnson J. E. and Malhas F. A. (2009), <i>Steel Structures- Design and Behavior</i> , USA: Pearson Prentice.
CE 423	Reinforced Concrete II	Wang, C. K., Salmon, . C. G. and Pincheira, J. A. (2007), <i>Reinforced Concrete Design</i> , USA:, John Willey and Sons
CE 427	Hydraulic Engineering	Gupta, R.S. (2008), <i>Hydrology and Hydraulic Systems</i> , Illinois, USA: Waveland Press, Inc,
CE 432	Design of Pavement	Huang. Y.H, (2004). <i>Pavement Analysis and Design</i> .. New Jersey, USA: Prentice-Hall
CE 436	Geotechnical Engineering II	Braja, M.D. and Sobhan, K. (2014), <i>Principles of Geotechnical Engineering</i> , USA: Cengage Learning.
CE 439	Seepage Analysis and its Control	Braja, M.D. and Sobhan, K. (2014), <i>Principles of Geotechnical Engineering</i> , USA: Cengage Learning.
CE 442	Project Surveying	Kavanagh B. (2008). <i>Surveying Principles and Applications</i> . London: Pearson Prentice hall.
CE 444	Soil Stailization and Site Improvement	Hausmann, M.R. (1990) " <i>Engineering Principles of Ground Modification</i> ", Singapore: McGraw-Hill International Edition.
CE 445	Water & Wastewater Engineering	Hammer, M. Jr. and Hammer, M. J. Sr. (2012). <i>Water and wastewater technology</i> , USA: Prentice Hall Publisher

