

## Ed. 5

### Appendix B Textbooks for the Sophomore Year

Second year, 1 <sup>st</sup> Semester (Sophomore), Level 3		
Course Code	Course Title	Textbooks
MATH 211	Calculus III	Howard Anton, Irl Bivens & Stephen Davis, John (2013). <i>Calculus – Early Transcendental</i> , 10 <sup>th</sup> Edition. Singapore: Wiley & Sons, Inc.
GS 262	Arabic Professional Writing	فضل الله ، محمد رجب. (٢٠٠٨). <i>عمليات الكتابة الوظيفية وتطبيقاتها</i> . عالم الكتب، القاهرة.
CS 230	Digital Logic Design	Morris Mano & Charles Kime. (2009). <i>Logic and Computer Design Fundamentals</i> . 4 <sup>th</sup> Edition. USA:Prentice Hall.
CS 231	Programming II	Walter Savitch, Kenrick Mock. (2013). <i>Absolute Java Plus MyProgrammingLab with Pearson eText</i> . USA: Pearson.
CS 232	Discrete Structures I	Kenneth H. Rosen. (2007), <i>Discrete Mathematics and its Applications</i> . 7 <sup>th</sup> Edition. USA: McGraw Hill.

Second year, 2 <sup>nd</sup> Semester (Sophomore), Level 4		
Course Code	Course Title	Textbooks
MATH 216	Linear Algebra & Differential Equations	C. Henry Edwards & David E. Penny (2014). <i>Differential Equations and Linear Algebra</i> . 3rd Edition. England: Pearson International Edition.
GS 272	Professional Ethics	الحמידان ، عصام. (٢٠١٠). <i>أخلاقيات المهنة في الإسلام وتطبيقاتها في أنظمة المملكة العربية السعودية</i> . العبيكان للنشر. المملكة العربية السعودية.
CS 240	Discrete Structures II	Kenneth H. Rosen. (2007), <i>Discrete Mathematics and its Applications</i> . 7 <sup>th</sup> Edition. USA: McGraw Hill.
CS 241	Data Structures	Adam Drozdek. (2005), <i>Data Structures and Algorithms in Java</i> . USA: Course Technology.
CS 242	Computer Architecture and Organization	William Stallings. (2016), <i>Computer Organization and Architecture: Designing for Performance</i> . England: Pearson.

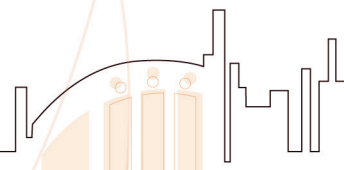
Appendix C  
Textbooks for the Junior Year

Third year, 1<sup>st</sup> Semester (Junior), Level 5

Course Code	Course Title	Textbooks
MATH 312	Probability & Statistics	Ronald E. Walpole, Raymond H. Myers, Sharon L. Myers & Keying Ye (2012). <i>Probability and Statistics for Engineers and Scientists</i> . 9th Edition. New Jersey, USA: Pearson Prentice Hall.
BUS 261	Business Communication	Newman, O. (2013). <i>Communication in Business</i> . Mason, OH: South-Western College Pub.
CS 350	Database Systems	Elmasri, Navathe. (2011). <i>Fundamentals of Database Systems</i> . USA: Pearson.
CS 351	Design and Analysis of Algorithms	Thomas Cormen, Charles Leiseerson, Ronald Rivest, & Clifford Stein. (2009), <i>Introduction to Algorithms</i> . 3 <sup>rd</sup> Edition. USA: MIT Press.
CS 352	Computer Network Systems	James F. Kurose & Keith W. Ross. (2017). <i>Computer Networking – A Top Down Approach</i> . 7 <sup>th</sup> Edition. USA: Pearson.

Third year, 2<sup>nd</sup> Semester (Junior), Level 6

Course Code	Course Title	Textbooks
GS 363	Arabic Communication Skills	الفیصل ، سمیر روجی وجمل محمد جهاد (٢٠٠٩) مهارات الاتصال في اللغة العربية ، دار الكتاب الجامعي ، العين ، الامارات العربية المتحدة
CS 360	Operating Systems	Abraham Silberchatz, Peter Baer Galvin & Greg Gagne. (2014) <i>Operating System Concepts</i> . 8 <sup>th</sup> Edition. USA: John Wiley & Sons. INC
CS 361	Computer and Network Security	William Stallings & Lowie Brown. ( 2015). <i>Computer Security Principles and Practice</i> . 3 <sup>rd</sup> Edition. USA: Pearson
CS 362	Web Engineering and Development	Paul J. Deitel, Harvey M. Deitel and Abbey Deitel. (2012). <i>Internet &amp; World Wide Web – How to Program</i> . 5 <sup>th</sup> Edition. USA: Pearson.
CS 363	Software Engineering	Ian Sommerville. (2011). <i>Software Engineering</i> . 9th Edition USA: Addison Wesley.



### Appendix D Textbooks for the Senior Year

Fourth year, 1 <sup>st</sup> Semester (Junior), Level 7		
Course Code	Course Title	Textbooks
GS 373	Human Rights in Islam	الظهار ، راوثة بنت أحمد (٢٠٠٧) حقوق الإنسان في الإسلام ، دار مكتبة الزمان ، المدينة المنورة.
CS 470	Introduction to Artificial Intelligence	Stuart Russel & Peter Norvig. (2014). <i>Artificial Intelligence: A Modern Approach</i> . 3 <sup>rd</sup> Edition. USA: Pearson.
CS 471	Social & Ethical Issues of Computing	George W. Reynolds. (2015). <i>Ethics in Information Technology</i> , USA: Cengage Learning.
CS 472	Programming Languages	Robert W. Sebesta. (2010), <i>Concepts of Programming Languages</i> . 9 <sup>th</sup> Edition. USA: Addison Wesley.
CS 473	Graduation Project	None

### Appendix E Textbooks for Elective Courses

Elective Courses		
Course Code	Course Title	Textbooks
CS 464	Human-Computer Interaction	Shneiderman, et.al., (2016), <i>Designing the User Interface: Strategies for Effective Human-Computer Interaction</i> . 6 <sup>th</sup> Edition USA: Pearson.
CS 465	Cloud Computing	Thomas Erl, Ricardo Puttini & Zaigham Mahmood. (2013). <i>Cloud Computing: Concepts, Technology &amp; Architecture</i> . USA: Prentice Hall.
CS 466	Data Warehousing and Data Mining	Jiawei Han, Micheline Kamber, & Jian Pei. (2013) . <i>Data Mining: Concepts and Techniques</i> . 3 <sup>rd</sup> Edition. USA: Morgan Kaufmann Publishers.
CS 474	Mobile Application Development	Jerome DiMarzi. (2016). <i>Beginning Android Programming with Android Studio</i> . 4 <sup>th</sup> Edition. USA: John Wiley & Sons.
CS 475	Systems and Network Administration	Evi Nemeth, Garth Snyder, Trent R. Hein, Ben Whaley, & Dan Mackin. (2017). <i>UNIX and Linux System Administration Handbook</i> . 5 <sup>th</sup> Edition. USA: Addison-Wesley.
CS 476	Advanced Network Security	William Stallings and Lawrie Brown. (2015). <i>Computer Security: Principles and Practice</i> . 3 <sup>rd</sup> Edition. USA: Pearson.

### Appendix F Revision Details

Revision no.	DESCRIPTION	Reference MoMs				SIS Implementation Date
		CDC		CC		
		Sem	#	Sem	#	
0	-					10/19/2016

