

Course Name	Information Security Management		إدارة أمن المعلومات			
Course Information	Course Code	Course No.	Credit Hour	Prerequisite(s)		
	0912614	IS 614	3 (3-0-6)	None		
Course Track	<input checked="" type="checkbox"/> Program Core <input type="checkbox"/> Electives					
Course Description						
Organizations are open to vulnerabilities some of which are predictable and most of them unpredictable. Standard mechanisms may not work for unpredictable incidents. This course focuses on identifying the need for effective security management within organizations, developing knowledge and skills to assess security in organizations, and to incorporate appropriate levels of security in various stages of a system's lifecycle considering legal, cost, privacy and technology constraints. This course establishes a foundation for developing comprehensive and proactive security programs to ensure protection of an organization's information assets. Topics covering governance and security policy, threat and vulnerability management, information leakage, crisis management and business continuity, legal and compliance, security awareness and security implementation considerations are covered in the course. Standards such as the ISO/IEC 27001 which is well-known for providing requirements for an information security management system are briefly discussed.						
Course Outcomes						
After the completion of this course, the student will be able to:						
1. <b>Identify</b> and <b>discuss</b> the benefits of embedding security throughout an organization. [A, B]						
2. <b>Analyze</b> information security risks, strategies and methods. [B]						
3. <b>Evaluate</b> security management requirements. [B]						
4. <b>Apply</b> the principles of information security management in a variety of contexts. [C]						
5. <b>Relate</b> and adapt information systems and security solutions to specific business processes and requirements. [C, D]						
6. <b>Identify</b> and <b>justify</b> technical and non-technical solutions to security problems. [C]						
Assessment Policy	Assignments	15%	Quiz	10%	Project	10%
	Midterm	25%	Final	40%	Others	-
Textbook	Mike Vasquez, David Seidl, Jeff T. Parker ,” <i>The Official (ISC)2 Guide to the CISSP CBK Reference</i> ” , 5th Edition, Wiley, 2019. ISBN: 9781119423348.					
References	1. Adam Gordon, " <i>Official (ISC)2 Guide to the CISSP Complete Body of Knowledge</i> ", 4th Edition, Auerbach Publications, 2015. ISBN-13: 978-1482262759. 2. David Alexander, Amanda Finch, David Sutton, Andy Taylor, " <i>Information Security Management Principles</i> ", 2 <sup>nd</sup> Edition, BCS - The Chartered Institute for IT, 2013. ISBN-13: 978-1780171753. 3. Harold F. Tipton, Micki Krause, " <i>Information Security Management Handbook</i> ", 6 <sup>th</sup> Edition, CRC Press, 2007. ISBN-13: 978-0849374951.					