



Sub.	Course Description – توصيف مقرر دراسي	الموضوع	 كلية المعرفة ALMAAREFA COLLEGE
Date		التاريخ	

Course Code & No	INFO342	342نظم	رقم المقرر ورمزه
Course Name	IS Implementation & Testing	تطوير واختبار نظم المعلومات	اسم المقرر
Credit Hours	3 (2 + 1 + 0)	(0 + 1 + 2) 3	عدد الساعات المعتمدة
Pre-requisite	INFO 232 and INFO 242	232 نظم و 242 نظم	المتطلب السابق

General Description	توصيف عام
<p>Implementation of computer based information systems; project management; software quality; interface design; implementation and testing strategies; user training; system delivery; and, maintenance and evaluation. A systems implementation project is conducted in small groups using a contemporary development environment.</p>	

Course Objectives	أهداف المقرر
<ul style="list-style-type: none"> • Analyze, design, and implement an information system in a contemporary programming environment. • Understand the value of project management for successful system implementation. • Understand the importance of applying software quality metrics. • Recognize the importance of proper system interface design. • Learn the different types of testing methods. • Understand the value of test cases. • Develop test cases. • Understand the value of user training. • Understand the importance of system 	

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maintenance and evaluation. <ul style="list-style-type: none"> • Work in a small team environment. • Present work done to other students in the classroom. 	
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Course Outlines	مفردات المقرر
<ul style="list-style-type: none"> ○ Information systems analysis, design, and implementation. • Project management. • Software quality metrics. • System interface design. • Testing techniques: unit, integration, and systems testing. • Test cases. • Systems maintenance. • Systems evaluation. • System delivery. • User training. 	

References	المراجع
<ul style="list-style-type: none"> • Hoffer, J., George, J, and Valacich, J., Modern Systems Analysis and Design, 7th edition, 2013, Addison-Wesley. • Pressman, R., Software Engineering: A Practitioner's Approach, 8th edition, 2014, McGraw Hill. 	