

Sub.	Course Description – توصيف مقرر دراسي	الموضوع	 كليات المعرفة ALMAAREFA COLLEGES
Date		التاريخ	

Course Code & No	IE405		رقم المقرر ورمزه
Course Name	Industrial Information Systems		اسم المقرر
Credit Hours	3 (2+1+2)		عدد الساعات المعتمدة
Pre-requisite	IE-312		المتطلب السابق

General Description	توصيف عام
<p>Analysis, design and implementation of industrial information systems with special focus placed on manufacturing systems and environments; Information systems development life cycle, information systems requirements determination; Data modeling; Structured analysis and functional architecture design; Object-oriented analysis and design; E-business and web-based database.</p>	

Course Objectives	أهداف المقرر
<p>To get the student acquainted with information system (IS) development concepts, life cycles, and tools, with special focus placed on Industrial Information Systems (IIS).</p> <p>By the end of the course, each student should be able To</p> <ul style="list-style-type: none"> • Recognize information system processing concepts and building tools • Develop and design database models • Evaluate and implement database techniques and use of e-business 	

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Course Outlines	مفردات المقرر
<ul style="list-style-type: none"> To get the student acquainted with information system (IS) development concepts, life cycles, and tools, with special focus placed on Industrial Information Systems (IIS). By the end of the course, each student should be able To Recognize information system processing concepts and building tools Develop and design database models Evaluate and implement database techniques and use of e-business 	

References	المراجع
<p>Required Textbooks</p> <ul style="list-style-type: none"> Thomas Boucher & Ali Yalcin, “Design of Industrial Information Systems”, Academic Press – Elsevier, Latest edition <p>Essential References Materials</p> <ul style="list-style-type: none"> Jeffrey Hoffer, Joey Goerge & Joseph Valacich, “Modern Systems Analysis and design”, Pearson Education International, Upper saddle river, Sixth edition, Latest edition 	