


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

Course Code & No	IE498		رقم المقرر ورمزه
Course Name	Graduation design project-2		اسم المقرر
Credit Hours	2 (1+1+2)		عدد الساعات المعتمدة
Pre-requisite	IE496		المتطلب السابق

General Description	توصيف عام
<p>This course is continuation of part I of the project and the following tasks are carried out: Running and finalizing the experimental program or the mathematical/computer model; Analyzing the results and findings and drawing the conclusions; Writing the complete project report; Presenting and defending the project.</p>	

Course Objectives	أهداف المقرر
<p>The student learns to develop the skill designing a process, product, and/or component of real world production systems.</p> <p>By the end of the course, each student should be able to:</p> <ul style="list-style-type: none"> ● Implement project parameters and assumptions; ● Carry design calculation and/or use of experimental tools; ● Carry performance parameters Estimation of design and/or experiments; ● Carry tradeoff studies to refine design and/or experiments; ● Evaluate of relevant constraints in particular environmental and safety issues; ● Evaluate analysis of design criteria; ● Demonstrate ability to communicate and achieving the project design details orally and in writing. ● Demonstrate ability of working effectively as member of team. 	

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Course Outlines	مفردات المقرر
<ul style="list-style-type: none"> • Implementing project parameters and assumption • Carrying design calculation and /or use of experimentation tools • performing parameters estimation of design and/or experiments • Making tradeoffs studies to refine design and/or experiments • Evaluating relevant constraints in particular environmental and safety issues • Analysing design criteria • Preparing final project report • Presentation skills 	

References	المراجع
<p>Required Textbooks This depends on the type of design project (assistive material is updated to the course Web Site)</p> <p>Essential References Materials This depends on the type of design project (assistive material is updated to the course Web Site)</p>	