

وصف مقرر دراسي Course Description

متطلب متزامن Co-Req.	متطلب سابق Pre-Req	تمارين TU	عملي LB	نظري LT	الساعات CR	اسم المقرر Course Title	رقم ورمز المقرر Course Code
-	-	-	4	2	3	مدخل الى التصميم الهندسي - 1 Introduction to Engineering Design-I	211 معم GE 211

محتويات المقرر :

التصميم الهندسي والمداخل الهندسية لحل المشكلات، تصميم العمليات والمنتجات، أساسيات الجودة، المشاركة في فرق العمل، العروض التقديمية ومهارتها، تنظيم وتقييم الموضوعات الفنية، إعداد تقارير موجزة عن الأعمال المطلوبة، التقييم الذاتي والسلوكيات المصاحبة لمسئولية التنظيم وإدارة الوقت.

Course Contents:

Engineering design or how engineers approach and solve problems; process and product design; quality principles; working in teams; presentation, organization and assessment of technical work, preparation of brief reports on assigned work, self regulation or the behaviors associated with taking personal responsibility for time management, learning new material, setting goals, etc

Course Objectives:

The students can be expected to learn the skills, approaches, and attitudes of practicing engineers. Students can practice and improve their problem solving skills by working on non-technical problems (e.g., how to succeed in a subsequent class). Having done so, they will be well prepared to solve technical or engineering problems once they have the technical knowledge germane to their field.

Evaluation Methods:

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| 1. Midterm exams | 5. Lab. Reports |
| 2. Term project | 6. Seminar |
| 3. Assignments | 7. Final exam |
| 4. Quizzes | |

Text Book and References:

Barry W. McNeill, Lynn Bellamy and Veronica A. Burrows, " **Introduction to Engineering Design: The Workbook** ", Mcgraw-Hill College; 6th edition (January 1997)