

وصف مقرر دراسي Course Description

رقم ورمز المقرر Course Code	اسم المقرر Course Title	الساعات CR	نظري LT	عملي LB	تأريخ TU	متطلب سابق Pre-Req	متطلب متزامن Co-Req.
400 همك ME 400	مشروع التخرج Graduation Project	3	-	-	-	405 همك GE 405	-

محتويات المقرر:

يكلف الطالب ضمن فريق مكون من عدد من الطلاب وأستاذ واحد أو أكثر بتصميم مشروع تطبيقي يحاكي الواقع العملي للبيئة التي سيعمل بها الطالب بعد تخرجه ، ويراعى أن يكون المشروع مكتملاً من حيث الدراسات الميدانية و دراسة الجدوى والتصاميم والمخططات وحساب الكميات والكلفة الاجمالية والتشغيلية للمشروع. ويستمر العمل في المشروع لمدة فصل دراسي واحد ، وفي نهايته تقام حلقة نقاش يقدم فيها فريق العمل شرح وافى عن المشروع ويتم نقاشهم وتقييم عملهم

Course Contents:

The student is assigned, among a team of students and one or more faculty professors, the design of an applied project which simulates the real working condition to which the student will be exposed after graduation. The project should be comprehensive and includes all the necessary preliminary field studies, vesability studies, final design drawings, bill of quantities, and the total operating cost of the project. The graduation project shall continue for one semesters. At the end of the semester, there will be a seminar held for the working team of students to present the details of the project. The working team will be orally examined and evaluated based on the presentation as well as the oral discussion

Course Objectives:

- 1) To integrate knowledge acquired from the various courses of the under-graduate curriculum to an open-ended design effort and apply the knowledge gained to the solution of a contemporary engineering problem.
- 2) To develop the ability of the students to work as a team, and to give them the chance of self-learning and fetching the information from the different available sources.
- 3) To make the student able to generate alternative solutions and select among them.
- 4) To gain a familiarity with available technical literature.
- 5) To experience the life cycle of a design project within a team environment.
- 6) To improve oral and written communications skills.
- 7) To acquaint the student the ability of demonstration and scientific justification.

Evaluation Methods:

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| 1. Project reports | ○ Final report |
| 2. Experimental work evaluation | ○ Final oral exam |
| 3. Seminars | |

Text Book and References:

There is no certain text book for this course