

وصف مقرر دراسي Course Description

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

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 شرحاً وافياً 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, feasibility studies, final design drawings, bill of quantities, and the total operating cost of the project. The graduation project shall continue for one semester. 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 train the students to use all the engineering concepts and skills gained in the under-graduate stage to perform a comprehensive study and analysis for a selective subject.
2. To acquaint the students the ability to join the different course subjects for the purpose of studying and solving a certain engineering problem
3. 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.
4. To train the students in the field how to define and describe the engineering problems, and to acquaint them the skill of data collection.
5. To give the student the chance to express himself and to show his own abilities and skills.
6. To develop the skill of communication through the reports and seminars.
7. To acquaint the student the ability of demonstration and scientific justification.

Evaluation Methods:

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| 1. Project reports | 3. Final report |
| 2. Experimental work evaluation | 4. Final oral exam |
| 3. Seminars | |

Text Book and References:

There is no certain text book for this course