



Kingdom of Saudi Arabia
Ministry of Education
Umm Al-Qura University
University College in Adham



المملكة العربية السعودية
وزارة التعليم
جامعة أم القرى
الكلية الجامعية بأضم

Research Project

6803519-4 - Research Project (4 credits)

Catalog Description

This course is the first semester of the required major design experience. In a two semester-long project, student teams will propose, design, produce and evaluate a software and/or hardware system. The project will culminate in the delivery of a working system, a formal public presentation, and written documentation. Oral and written progress reports are required.

Prerequisites

6803435-3 Advanced Databases

6803411-3 –Operating systems

Major Topics Covered in the Course (14 week semester)

Topic	Week
N/A	N/A

Weekly Hours

4 x 50 mins lectures, 0 lab hours

Textbook/References

UQU Undergraduate Final Year Project Handbook.

Assessment Methods

Weekly meetings, written report, and oral/poster presentation

Course Learning Outcomes (CLOs)

1. Ability to apply knowledge of mathematics, computing, science, and engineering appropriate to the discipline.
2. Ability to analyse a problem, and identify and define the computing requirements appropriate to its solution.
3. Ability to function effectively on teams to accomplish a common goal.
4. Ability to communicate effectively.
5. Recognition of the need for, and an ability to engage continuing professional development.
6. Ability to use the current techniques, skills, and tools necessary for computing practice.
7. Apply mathematical foundations, algorithmic principles, and computer science theory in the modelling and design of computer based systems in a way that demonstrates comprehension of the trade-offs involved in design choices.
8. Ability to apply design and development principles in the construction of software systems of varying complexity.

