

1. Course Number and Course Title:

COE 491 – Design Project II

2. Credit Hours:

0-6-2

3. Prerequisites and/or Co-Requisites:

Prerequisites: COE490 Design Project I.

4. Name and Contact Information of Instructor:

Dr. Hicham H. Hallal

5. Course Description:

Continues the work of COE 490.

6. Textbook and other supplemental materials:

Textbook: None.

Supplemental materials:

Online resources found on: <http://ilearn.aus.edu>

7. Course Learning Outcomes:

Upon completion of the course, students will be able to:

1. Use current techniques, devices, materials, and tools to plan, design and implement a process, a component, or a computer system based on the proposed solution to meet a given set of requirements.
2. Test and validate a computer engineering design.
3. Work effectively as member of a team.
4. Communicate effectively through an oral presentation and a written report.
5. Demonstrate awareness of contemporary issues.
6. Relate the global, economic and societal context of computer engineering projects.

8. Teaching and Learning Methodologies:

Methods include seminars, quizzes, and a project report.

9. Course Topics and Schedule:

Students are supposed to meet weekly with their assigned advisors to discuss progress in the project work and satisfaction of the requirements. The students will be required to attend at least two lectures/seminars by industry leaders in order to be able to appreciate contemporary issues and how computer engineering is involved in them. Quizzes will be administered on the examined topics.