Course Title and Code	IT 498 Graduation Project I

I. Course Identification and General Information:

Course Title	Graduation Project I	Course Code	IT 498	Pre-requisite	120 H
Department	Information Technology	Course Level	9	Credit Hours	2(1+1)

II. Course Description/Topics: The following course topics will be covered.

The previous courses have provided the IT students with strong and sufficient knowledge to develop information systems. The next logical stage is that the IT student must acquire hands-on experiences on developing real world information systems. In addition, the students should be familiarized with real world problems encounter during the development of real-world information systems. Furthermore, the students should be trained to work in teams. In this course, the students will be organized into groups. The number of students in each group should not exceed three students. For each group, a supervisor will be allocated to guide the group in developing a particular information system. In developing an information system, a particular information system development methodology should be used. Each group will develop a real-world information system in two stages: The first stage will be carried out in IT 498 and the second stage will be carried out in IT 499. In IT 498, the students of each group must identify a problem domain, define a problem, identify the requirements in details, specify requirements in details, analyze and document the current system, proposed alternative systems, and design a particular system in details which includes the definitions of all the required system models such as the data model and the functional model. At the end of the course, each group must submit a formal report documenting the problem domain, the requirements, specifications, and the system models.

III. Course Outcomes: Summary of the main learning outcomes for students enrolled in the course.

- When asked, in writing, students will be able to do the project work in different domains like DBMS, C, C++, PHP, Networking etc.
- When asked, in writing, students will be able to know how to analysis the project
- When asked, in writing, students will be able to do the literature survey of their topics
- When asked, in writing, students will be able to design the solution for their project
- When asked, in writing, students will be able choose the best methodology for their projects
- When asked, in writing, students will be able to present the skills

IV. Required Text:

- Paul D. Leedy, Jeanne Ellis Ormrod, Practical Research: Planning and Design, 10/E, Pearson Educational International: New Jersey.

V. References:

- Multiple Web sites focused project domain.