

**Department:** Mathematics and Computer Sciences  
**Division:** Computer Sciences  
**Level and Major:** Graduate

**Course Title:** Advanced Software Design

**Number of Credits:** 3

**Prerequisite:**

**Lecturer:**

**Course Description:**

**Course Goals and Objectives:**

**Course Topics:**

- Introduction to software engineering
- Process Models
- Agile Development
- Principles that Guide Practice
- Understanding Requirements
- Design Concepts
- Architectural Design
- User Interface Design
- WebApp Design
- MobileApp Design
- Project Management Concepts

**Reading Resources:**

**Evaluation:**