Project Management in Electrical and Computer Engineering

ECE 6070

Credit Hours:
3.00 - 3.00

Course Levels:
Graduate (5000-8000 level)

Course Components:
Lecture

Course Description:
Students learn project management principles and apply them to Electrical and Computer Engineering real-world projects.

Prerequisites and Co-requisites:
Prereq: Grad standing in ECE.

Course Goals / Objectives:
- Learn principles of project management
- Apply project management tools and processes to solve Electrical and Computer Engineering problems.
- Integrate technical aspects of Electrical and Computer Engineering with other practical aspects to successfully manage a project in the Industry framework.
- Emphasize and practice teamwork.
- Practice organizational, communication, technical writing and presentation skills.
Course Topics:
- General principles of Project Management
- Project Management process and tools
- Team Culture and project communications
- Strategic issues in Project Management, risk and crisis management
- Practical considerations in implementing Project Management in the Industry
- Case studies in Electrical and Computer Engineering
- Application of Project Management to Electrical and Computer Engineering Projects
- Project Documentation and reporting

Designation:
Elective