

Course Syllabus

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Code and Name CSE299 Junior Design Project

Type Core, Engineering

Credit Hours 1

Pre-requisites 60 Credits Completed

Course Summary

This is an intermediate level design course, after a student has gathered sufficient experiences on laboratory equipments and knowledge of engineering applications up to 200 level core courses, core math, and core science courses. This “Junior Design Course” involves multidisciplinary teams of students who build and test custom designed systems, components or engineering processes. Design projects selected from proposal submitted by the students, or recommended by faculty, or text book design problems. The instructor acts as supervisor and assists them in design team formation and organization, design proposal preparation, implementation of design process, project scheduling and management, design reviews, design simulation and testing, preparation of drawings, specifications, etc. Performances are evaluated by oral presentation of proposal and demonstration of completed projects, report writing, effective use of visual aids, design process, project management and scheduling etc.

Course Objectives

The objectives of this course are to

1. implement a specific design problem on engineering applications
2. find appropriate method of analysis and design tools to perform design tasks
3. create environment for taking journal notes and maintain teamwork in group environment
4. gain skills on writing proposal and completed project reports, presentation and demonstration of completed project
5. train how to manage finance and scheduling of time while working in multidisciplinary team

Assessment Tools and Possible Marks Distribution

- Weekly progress (in every class) 40%
- Proposal presentation 10%
- Final presentation 15%
- Final project demo 15%

- Project report 20%

Grading Policy

As per NSU grading policy available at
<http://www.northsouth.edu/academic/grading-policy.html>
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Course Summary:

Date	Details	Due
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