

Course Syllabus: ST: Software Engineering CS495-01

Instructor: John Sarkela

Office: New Science 1109

Hours: MWThF 9-10am; 2-4pm

Email: [jsarkela@nmu.edu](mailto:jsarkela@nmu.edu)

Skype: jussiwiljo

## Description:

This course explores the development of production software. Topics covered include: requirements, development methodologies, source management tools, build tools, configuration of software for multiple target deployment platforms. Implementation will be in the Objective-C programming language, with additional use of makefiles, and scripting languages.

## Organization:

This course will consist of lecture, quizzes, and a programming project run by the class over the course of the semester. There will be a mid-term exam and a final exam.

## Course Objectives:

Successful students will be able to:

- manage a software project that targets multiple platforms
- determine and document system requirements
- use a source code management tool to track changes to the configuration and content of developed source code
- develop and implement testing plans for a software project.
- document a software project
- deploy a client-server system of software.

## Grading:

40% Quizzes, Mid-term and Final Exam

50% Term Project

10% Class participation

## Disability Services:

**If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedcock Building (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.**