Southern Oregon University Department of Computer Science  
CS356: Programming Topics  
Design Patterns and Dynamic Programming in iOS  
CRN: 6753  
Spring 2017 Syllabus

Instructor: Kevin Sahr
Office Hours: Mondays, 10:00-12:00AM, Wednesdays, 9:00AM - 12:00AM, or by appointment
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Course web page: http://webpages.sou.edu/~sahr/cs356

Class Times

Tuesday 10:30 AM - 12:20 PM in MA003 / Thursday 10:30 AM - 12:20 PM in BR251.

Course Description

Explores common software design patterns, including delegation, model-view-controller, target-action, and singleton. Covers dynamic programming and reference counting. Concepts are applied using Swift for Apple iOS devices. Prerequisite: CS257 with a grade of B.

Textbook

There is no textbook for this course. All content will be provided by the instructor or available online.

Grading

Your grade will be determined by:

• Approximately six assignments, worth 40% of your grade. Your lowest assignment score will be thrown out. **Late lab assignments will not be accepted.**
• Two quizzes, worth 35% of your grade. Note that one quiz will occur during dead week.
• A final project, worth 25% of your grade. Final projects will be presented to the class during our final exam period 10:30 AM - 12:30 PM on Tuesday, June 13.

If you are in need of support because of a documented disability (whether it be learning, mobility, psychiatric, health-related, or sensory) you may be eligible for academic or other accommodations through Disability Resources.

Call Academic Support Programs at 541-552-6213 to schedule an appointment with the Director of Disability Resources. The Academic Support Programs office is located in the Stevenson Union, lower level. (See [www.sou.edu/access/dss](http://www.sou.edu/access/dss) for more information.)