

Course Outline

1. Document Information

Degree Program	Computer Science
Course Number	CS 499
Course Title	Senior Project in Computer Science
Semester Hours	3
Course Coordinator	Chun-Hsi Huang
Revision Term	Spring 2020
Latest Revision	Spring 2020

2. Catalog Description

A continuation of CS 498, performing exercise in the design, implementation, documentation, and deployment of a group project culminating in a presentation to the Computer Science faculty.

3. Textbooks

- Stellman, A. & Greene, J. (2005). Applied Software Project Management. O'Reilly Media, ISBN: 978-0596009489.

4. References

- Demarco, T. & Lister, T. (2013). People ware: Productive Projects and Teams, Addison-Wesley Professional, 3rd Edition, ISBN: 978-0321934116.
- Berkun, S. (2005). The Art of Project Management, O'Reilly Media, ISBN: 978-0596007867.

5. Course Learning Outcomes

- To provide a significant real-world type team experience in the field of computer science.
- To improve the ability to work in a team setting.
- To demonstrate the diverse skills and problem solving abilities acquired during the students' undergraduate education.

6. Assessment of the Contribution to Student Outcomes

Outcome	1	2	3	4	5	6
Assessed	X	X	X	X	X	X

7. Prerequisites by Topic

CS498

8. Major Topics Covered in the Course

1. Working in a team environment: roles within a team, responsibilities, managing oneself within a team setting {12 classes}
2. Project Management and Planning: Management Issues and Styles {4 classes}
3. Project Requirements and Design Issues {4 classes}
4. Coding Standards {2 classes}
5. Documentation Standards {2 classes}
6. Implementation {3 classes}
7. Testing & Walk-through {4 classes}
8. Deployment {3 classes}
9. Formal Report and Final Presentation {6 classes}