Course Number	CS 498 SP20	Course Title	Senior Seminar in Computer Science
Semester Hours	2	Course Coordinator	Chun-Hsi Huang

Catalog Description SU18	This course consists of diverse presentations by faculty, students, and invited speakers from industry, and prepares students for CS 499 (Senior Project in Computer Science) or CS 499B (Senior Thesis in Computer Science). Students in CS project track will select and plan a real world team project, while students in CS thesis track will select a research topic, under advisement of a Computer Science faculty, and will present a research proposal.

Textbooks

SP17

No textbook required.

References

SP19

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.

Course Learning Outcomes

- To improve communication skills through written reports and group discussions.
- To improve research and technical writing skills through the development of a proposal for the group project or thesis.
- To foster presentation skills through a formal presentation of the proposal for the group project or thesis.

Assessment of the Contribution to Student Outcomes

SP20

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

Prerequisites by Topic

Completion of or concurrent enrollment in at least two other 400-level Computer Science courses.

Restricted to senior standing in Computer Science.

Major Topics Covered in the Course

<u>Senior Project in Computer Science</u>

Preparation for the senior group project:

Project management skills, technical writing, team formation, team building exercises

entrepreneurship, sources of projects, project selection, project planning, proposal writing

presentation of the proposal {14 classes}

<u>Senior Thesis in Computer Science</u>

Preparation for the senior thesis:

Select a research topic under advisement of a Computer Science faculty, technical

writing, planning, proposal writing, presentation of the research proposal {14 classes}