

CSC 190: SENIOR PROJECT - PART I

In Workflow

1. CSC Committee Chair (shaverdian@csus.edu;%20jouyang@csus.edu)
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3. ECS College Committee Chair (figgess@csus.edu)
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11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Thu, 01 Oct 2020 23:51:08 GMT
Anna Baynes (shaverdian): Approved for CSC Committee Chair
2. Fri, 02 Oct 2020 00:09:31 GMT
Nikrouz Faroughi (faroughi): Approved for CSC Chair
3. Mon, 12 Oct 2020 21:53:30 GMT
Gareth Figgess (figgess): Rollback to CSC Committee Chair for ECS College Committee Chair
4. Mon, 12 Oct 2020 22:36:45 GMT
Anna Baynes (shaverdian): Approved for CSC Committee Chair
5. Mon, 12 Oct 2020 23:27:03 GMT
Nikrouz Faroughi (faroughi): Rollback to CSC Committee Chair for CSC Chair
6. Tue, 13 Oct 2020 05:00:39 GMT
Anna Baynes (shaverdian): Approved for CSC Committee Chair
7. Tue, 13 Oct 2020 15:32:13 GMT
Nikrouz Faroughi (faroughi): Approved for CSC Chair
8. Fri, 23 Oct 2020 18:15:48 GMT
Gareth Figgess (figgess): Approved for ECS College Committee Chair
9. Fri, 23 Oct 2020 18:28:32 GMT
Kevan Shafizadeh (kevan): Approved for ECS Dean

Date Submitted: Thu, 01 Oct 2020 21:43:50 GMT

Viewing: CSC 190 : Senior Project - Part I

Last edit: Fri, 23 Oct 2020 18:25:16 GMT

Changes proposed by: Jingwei Yang (223000115)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
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Catalog Title:

Senior Project - Part I

Class Schedule Title:

Senior Project - Part I

Academic Group: (College)

ECS - Engineering & Computer Science

Academic Organization: (Department)

Computer Science

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Spring 2021 (2021/2022 Catalog)

Subject Area: (prefix)

CSC - Computer Science

Catalog Number: (course number)

190

Course ID: (For administrative use only.)

112251

Units:

2

In what term(s) will this course typically be offered?

Fall, Spring

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

1. The prerequisite change is to avoid students worried about failing their current course from occupying enrollment. Our current course waitlists are filled.
2. The Computer Science department reviewed our courses based on current teaching practice and professional organization recommendations. This update is required for Computer Science program external accreditation.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)

The first of a two-course sequence in which student teams undertake an industry-grade project to develop and deliver a software product. Teams apply software engineering principles in the preparation of a software proposal, a project management plan, a software product backlog, and a high-fidelity prototype. All technical work is published using guidelines modeled after IEEE documentation standards. Oral and written reports are required. Lecture one hour, laboratory three hours.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service Learning?

No

Does this course require safety training?

No

Does this course require personal protective equipment (PPE)?

No

Does this course have prerequisites?

Yes

Prerequisite:

Senior status, WPJ score of 70+ or at least a C- in ENGL 109M/W, completed CSC 130, CSC 131, and four additional 3-unit upper-division CSC courses that fulfill the major requirements (excluding CSC 192-195, 198, and 199), not currently enrolled in CSC190.

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):Laboratory
Seminar**Laboratory Classification**

CS#16 - Science Laboratory (K-factor=2 WTU per unit)

Laboratory Units

1

Seminar Classification

CS#05 - Seminar (K-factor=1 WTU per unit)

Seminar Units

1

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes: Describe outcomes using the following format: 'Students will be able to: 1), 2), etc.'

1. Work with a project sponsor to develop, document and approve terms and conditions associated with project development as well as the scope of the project.
2. Conduct a requirements workshop and gather initial project requirements from project sponsor.
3. Propose innovative software-based solutions to solve business problems.
4. Propose and create low-fidelity prototypes based on project sponsor's initial requirements.
5. Refine prototypes iteratively with project sponsor, and eventually formulate a high-fidelity prototype.
6. Set up and maintain a project task board.
7. Decide the right technologies for implementation, and set up production environment.
8. Execute an iterative and incremental agile process, for example SCRUM.
9. Follow specified guidelines in the preparation of all required documentation, and participate in a technical review, revision and approval process necessary for the delivery of assessable and usable documentation.
10. Develop a review, planning and scheduling process necessary for the updating of schedules, work plans and status reports.
11. Collaborate as a team in the ongoing management and oversight of the team member's work, and in assessment of the status and progress of the project.
12. Conduct and participate effectively in meetings (including the role and responsibility of the chair in preparing an agenda, running the meeting and ensuring adequate follow-up).
13. Demonstrate effective communication skills to present technical contents, both oral and written.

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.

ELOs 1-13 will be assessed with homework assignments, performances, and presentations.

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

No

Identify the program(s) in which this course is required:

Programs:

BS in Computer Science

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Please attach any additional files not requested above:

CSC190_Fall2020_submitted.docx

Reviewer Comments:

Gareth Figgess (figgess) (Mon, 12 Oct 2020 21:53:30 GMT): Rollback: As requested

Nikrouz Faroughi (faroughi) (Mon, 12 Oct 2020 23:27:03 GMT): Rollback: update

Key: 1062