



Channel Islands
CALIFORNIA STATE UNIVERSITY

IT 491: Capstone Prep

IT 491 Section 08

Fall 2022

Instructor: Jason Isaacs

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Office Hours: Solano Hall 2176

Office Hours: Tue 4:00 pm – 6:00 pm or by appointment

Course Description:

This course involves the research and development of a proposal for a significant software project under faculty supervision.

Student Learning Outcomes

By the successful completion of this course, you will be able to:

- Determine capstone goals and objectives
- Identify fields of study that are relevant to the problem at hand
- Conduct a literature search to build a reading list necessary to approach a problem
- Assess approaches for problem resolution
- Construct plans for resolving problems
- Identify collaborators for resolving problems
- Synthesize and articulate clearly and convincingly in written and oral forms

Learning Environment:

- This class will be conducted completely asynchronously online.

Grading:

This semester you will have two choices of how to conduct the preparation phase of your capstone project.

Option 1: Plan Driven Development

Under the Plan Driven Development option the course grade will be determined by the successful completion of **four** software planning documents. Templates for these documents will be provided. The purpose of these documents is to help guide you through the process of planning your Capstone Project. It is imperative that you do not wait until the last week of the

semester to complete and submit the requirements documents. Failure to submit all these documents could result in the assignment of a failing grade or incomplete.

- 5% - Prepare a short project proposal (1 page). *The project idea must be approved by instructor before moving on to other documents.*
- 25% - Vision and Scope Document.
- 35% - Software Requirements Specification Document.
- 35% - Design Document.

Option 2: Agile Development

Under the Agile Development option, the course grade will be determined by successfully completing the creation of the user stories in your product backlog, setting up your Trello board, and completing Sprint 0 to identify, evaluate, and mitigate the top technical risks to your project. Upon completing Sprint 0 use the time remaining to complete a Sprint 1 to produce a working version of the core feature of your application.

- 5% - Prepare a short project proposal (1 page). *The project idea must be approved by instructor before moving on to other documents.*
- 25% - Vision and Scope Document.
- 30% - User Stories, Product Backlog, and Trello Board.
- 20% - Sprint 0 Demonstration.
- 20% - Sprint 1 Demonstration.

Instructor Communication Policy:

I will make every effort to respond to your email questions within 24 hours Monday through Friday. However, I will not respond to emails outside of the hours 8 AM to 5 PM. If for some reason you have not received a reply after 24 hours, please feel free to email me again. I will not respond to your email after 5 pm on Friday until Monday morning. If you would like to set up a meeting, please contact me with three days and times you can meet.

Required Materials:

None.

Course Policies:

Online Etiquette

All learners in this course are expected to abide by our [community ground rules](#).

Academic Dishonesty

By enrolling at CSU Channel Islands, students are responsible for upholding the University's policies and the Student Conduct Code. Academic integrity and scholarship are values of the institution that ensure respect for the academic reputation of the University, students, faculty, and staff. Cheating, plagiarism, unauthorized collaboration with another student, knowingly furnishing false information to the University, buying, selling or stealing any material for an

examination, or substituting for another person may be considered violations of the [Student Conduct Code](#)).

If a student is found responsible for committing an act of academic dishonesty in this course, the student may receive academic penalties including a failing grade on an assignment or in the course, and a disciplinary referral will be made and submitted to the Dean of Students office. For additional information, please see the faculty [Academic Senate Policy on Academic Dishonesty](#), also in the CI Catalog. Please ask about my expectations regarding academic dishonesty in this course if they are unclear.

Accommodations for Students with Disabilities

If you are a student with a disability requesting reasonable accommodations in this course, please visit Disability Accommodations and Support Services (DASS) located on the second floor of Arroyo Hall or call 805-437-3331. All requests for reasonable accommodations require registration with DASS in advance of needed services. Faculty, students and DASS will work together regarding classroom accommodations. You are encouraged to discuss approved accommodations with your faculty. [Apply for DASS Services](#).

Title IX and Inclusion

Title IX & Inclusion manages the University's equal opportunity compliance, including the areas of affirmative action and Title IX. Title IX & Inclusion also oversees the campus' response to the University's nondiscrimination policies. CSU Channel Islands prohibits discrimination and harassment of any kind on the basis of a protected status (i.e., age, disability, gender, genetic information, gender identity, gender expression, marital status, medical condition, nationality, race or ethnicity, religion or religious creed, sexual orientation, and Veteran or Military Status). This prohibition on harassment includes sexual harassment, as well as sexual misconduct, dating and domestic violence, and stalking. For more information regarding CSU Channel Islands' commitment to diversity and inclusion or to report a potential violation, please contact Title IX & Inclusion at 805.437.2077 or visit <https://www.csuci.edu/titleix/>.

Module Schedule:

Option 1: Plan Driven Development

Module 1 | Project Proposal | Dates: 8/22/22 - 8/28/22

Module 2 | Vision and Scope | Dates: 8/29/22 - 9/18/22

Module 3 | Software Requirement Specification | Dates: 9/19/22 - 10/23/22

Module 4 | Design Document | Dates: 10/24/22 - 12/2/22

Option 2: Agile Development

Module 1 | Project Proposal | Dates: 8/22/22 - 8/28/22

Module 2 | Vision and Scope | Dates: 8/29/22 - 9/18/22

Module 3 | Product Backlog | Dates: 9/19/22 - 10/23/22

Module 4 | Sprint 0 | Dates: 10/24/22 - 11/13/22

Module 5 | Sprint 1 | Dates: 11/14/22 - 12/2/22