



CS 4321

Software Engineering I

Fall 2026

Course Description from the VSU Catalog

Concepts and techniques used in all aspects of the software lifecycle relevant to the production of large object-oriented software systems. Students will work in teams on a project.

Course Learning Outcomes, Objectives, and/or Core IMPACTS Statement

The following learning objectives are addressed in this course. Each of these objectives appears in one or more of the course activities.

Students who have successfully completed this course will be able to:

1. Work in a team to develop and present a software system, producing appropriate documentation and following a lifecycle model.
2. Discuss techniques for gathering and analyzing users' requirements.
3. Construct static and dynamic models of software using UML.
4. Develop an efficient and effective test plan from software requirements.
5. Discuss issues related to the management of the software development process.

Required Course Materials and Tools

This course requires the following text(s), course materials, and technology:

Text/Readings/Other Materials

None

Technology Requirements

- Eclipse
- Java
- Office 365 for access to VSU email and MS Word
- BlazeVIEW
- Screen recording software (available in Blazeview)

Primary Topics

This course will include these primary topics or concepts:

Lifecycle models, requirements, analysis, design, architecture, testing, UML, design patterns, management issues

Grading and Assessment

Summary of Grade Criteria

Homework (40%).

- There are 9 assignments where you will watch a video and answer questions.
- There are 5 other homeworks that count varying percentages.
- Late homework is penalized 20% per day late.

Project (60%)

- You will work in teams of 4-5 for the project. Significant individual effort and collaborative effort are required.



- The grading criteria will be provided when the project begins. A significant portion will be “effort”, which translates into time spent on the project, which will be logged in an app.
- Project deliverables must not be late to be accepted for credit.

Grading Scale

A = 90-100% B = 80-89% C = 70-79% D = 60-69% F = 59%-below

Grading Procedure and Feedback

Homework

- Video assignments are graded on completion.
- Homework assignments have rubrics which are completed and returned when assignment is graded

Project

- The grading criteria will be provided when the project begins. 2-3 checkpoints are completed when Sprint demos are conducted.

Attendance and Engagement

Regular attendance and participation are essential for success in class. You will be expected to physically attend all scheduled course sessions (or log in to this course regularly for online courses), to complete and submit assignments on time, to participate in ongoing discussions, and to interact with other students and your instructor regularly. Be sure to read and observe the following expectations:

- Submit work on time.
- Keep your instructor informed of your status.
- Review your instructor's feedback carefully and learn from it.

In any course, problems associated with attendance or completion of assignments may arise. Unless you make prior arrangements with your instructor, you should be prepared to submit work on time. Students who turn in late work may be subject to penalties.

Whether online or face-to-face, a student who misses or does not participate in more than 20% of the scheduled course or course activities could be subject to receiving a failing grade in the course.

Academic Honesty and Integrity

As members of the academic community, VSU students are responsible for knowing and abiding by the [Academic Honesty Policy](#) as set forth in the [Student Code of Conduct](#). All students are expected to do their own work and to uphold a high standard of academic ethics.

What comprises academic dishonesty?

- Plagiarism - Always cite your sources. Plagiarism is using other people's writing or ideas without giving credit. This includes paraphrasing material without citing the source and submission of assignments completed by someone else. If you are unsure about whether



something may be plagiarism or another form of academic dishonesty, please reach out to your instructor as soon as possible.

- Use of Artificial Intelligence (AI) - No student shall use AI, unless assigned by a faculty member, in order to generate text, summaries, images, or other materials and submit them as their own work. Content generated by an Artificial Intelligence third-party service or site (AI-generated content) without proper citation is another form of plagiarism.
- Cheating on Exams - Utilize only authorized materials during exams. Additionally, sharing information with other students before or after an exam is also considered cheating.
- Unauthorized Collaboration - Work individually on assignments unless your instructor approves group work.
- Falsification - It is a violation of academic honesty to misrepresent material or fabricate information in an academic exercise, assignment or proceeding. Additionally, it is a violation of the Academic Honesty policy for authorized users to knowingly share passwords, PINs, or any other means of access to their BlazeVIEW courses with unauthorized persons or for the purpose of dishonorable or unethical conduct related to their academic work.
- Multiple Submissions - Only submit work for which you have not previously received credit. This includes using assignments completed in prior courses.
- Unauthorized Use or Distribution of ANY VSU Course Material is Expressly Prohibited - Materials in this course are presented to students in an educational context for their personal use and study only. Unauthorized distribution of copyrighted material occurs when a student shares, reproduces, publishes, or sells copyrighted material, in print or digital formats, without express written permission of the copyright owner. This includes sharing any information about VSU courses with websites or any other third party. Additionally, copying or buying copyrighted materials is prohibited.
- "Tutoring" Services - If a "tutoring" service provides solutions to course assignments, this is considered cheating. Legitimate tutoring services will never directly give answers to course assignments.

Violation of the Academic Honesty Policy can result in failure of the assignment, failure of the course, and/or further consequences from VSU. Ignorance of this policy is not an excuse or a means to repeal a charge of academic dishonesty.

Disclosure Statements

Accommodations

Students with disabilities who are experiencing barriers in this course may contact the Access Office (<https://www.valdosta.edu/student/disability/>) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-5871. For more information, visit VSU's Access Office or email: access@valdosta.edu. To request reasonable accommodations for pregnancy and childbirth, contact Ms. Myia Miller, Title IX Compliance Officer, at maburden@valdosta.edu. Please note, you will be required to provide documentation from an appropriately licensed medical professional indicating the requested accommodations are medically necessary.

Non-Discrimination and Title IX



Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, national origin, religion, age, veteran status, political affiliation, or disability. The University prohibits specific forms of behavior that violate Title IX of the Education Amendments of 1972. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal funding. VSU considers sex discrimination in any form to be a serious offense. Title IX refers to all forms of sex discrimination committed against others, including but not limited to: sexual harassment, sexual assault, sexual misconduct, and sexual violence by other employees, students or third parties, and unfair treatment based on an individual's sex/gender. The designated Title IX Coordinator for VSU is Ms. Selenseia Holmes (saholmes@valdosta.edu). To view the full policy or to report an incident visit: <https://www.valdosta.edu/administration/student-affairs/title-ix/>

Turnitin

By taking this course, you agree that all required course work may be subject to submission for textual similarity review to Turnitin, a tool within BlazeVIEW. For more information on the use of Turnitin at VSU see Turnitin for Students (<https://www.valdosta.edu/academics/academic-affairs/turnitin-for-students.php>).

Student Opinion of Instruction (SOI)

At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available through SmartEvals. Students will receive an email notification through their VSU email address when the SOI is available (generally at least one week before the end of the term). SOI responses are anonymous to instructors/administrators, and they will be able to access results only after they have submitted final grades. Before final grade submission, instructors will not be able to see any responses, but they can see the percentage of students who have or have not completed their SOIs. While instructors will not be able to see student names, an automated system will send a reminder email to those who have yet to complete their SOIs. Complete information about the SOIs, including how to access the survey, is available on the SOI Procedures webpage (<https://www.valdosta.edu/academics/academic-affairs/sois/>).

Syllabus Addendum

Changes made to this syllabus after it has been posted will be entered in this section along with the date the instructor notified students of the change.

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