

CS 495 Senior Project SYLLABUS

CLASS MEETING TIMES

Semester: FALL 2024

Section: CS495-01

Course Delivery Mode: Face-to-Face

Class Hours: 9:30-10:50am Tuesday & Thursday.

Classroom: Warehouse B Room #4

INSTRUCTOR

Dr. Byoungyong Lee

Office: WB Room #4

Phone: 671-735-2831

E-mail: leeby@triton.uog.edu

Office Hours: Mon/Wed: 08:30 am – 09:30 am / 12:30 pm – 01:00 pm

Tue/Thu: 11:00am – 12:00 pm / 3:30 pm – 4:00 pm

CATALOG DESCRIPTION

This is a capstone course that integrates the knowledge and skills gained from the other computer related and general education courses in the curriculum within a comprehensive system development project.

Corequisite: CS477 Software engineering, senior standing

REQUIRED TEXTBOOK, EQUIPMENT, AND/OR READINGS

There is no textbook.

It provides the course materials.

GRADING SYSTEM/EVALUATION METHODOLOGIES

Course Requirements	Percent (%)
Attendance	10%
Project proposal	10%
Project progress reports and Documentation	15%
Final Project Product	50%
Test and Presentation	15%
Total	100%

Letter grades will be assigned per the UOG Catalog:

A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

Course Outline / Schedule

Week	Contents
1 - 3	<ul style="list-style-type: none"> Selecting Project Topic Defining Project Goal
4 - 6	<ul style="list-style-type: none"> Performing Feasibility study and /or background research for the topic Presenting Project Proposal
7 - 15	<ul style="list-style-type: none"> Implementing the Project as Proposed Progress report
16 - 17	<ul style="list-style-type: none"> Presenting the final product

Course Learning Outcomes

CS 495 Student Learning Outcomes (SLO)	Program Learning Outcomes (PLO)*	Institutional Learning Outcomes (ILO)*	Activities/Assessments
1	1	1	Project proposal
2, 5, 6	3	3	Project Proposal, Presentation of proposal and the final product
7	5	4	Team report
3	6	5	Final product (software system, research paper)
4	2	1	Progress report, project proposal

* Refer to PLO's and ILO's described hereafter

CS 495 Student Learning Outcomes (SLOs) : Upon the completion of the course successfully, Students will be able to

- SLO-1.* Define project topic through feasibility study and background research
- SLO-2.* Write and present a proposal for the selected project
- SLO-3.* Determine and apply appropriate hardware/software technology, and the computing related knowledge
- SLO-4.* Implement the proposed project with proper adjustment as necessary

- SLO-5.* Produce necessary documents for the project such as progress reports, instruction manual, research paper, etc.
- SLO-6.* Give formal presentation of the final product with effective use of proper technology.
- SLO-7.* Learn how to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

CS Program Learning Outcomes (PLOs)

- PLO-1.* Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- PLO-2.* Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- PLO-3.* Communicate effectively in a variety of professional contexts.
- PLO-4.* Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- PLO-5.* Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- PLO-6.* Apply computer science theory and software development fundamentals to produce computing-based solutions.

UOG Institutional Student Learning Outcomes (ILO)

- ILO-1.* Critical thinking and problem solving
- ILO-2.* Mastery of quantitative analysis
- ILO-3.* Effective oral and written communication
- ILO-4.* Understanding and appreciation of culturally diverse people, ideas and values a democratic context.
- ILO-5.* Responsible use of knowledge, natural resources, and technology
- ILO-6.* An appreciation of the arts and sciences
- ILO-7.* An interest in personal development and lifelong learning

COURSE POLICIES

Attendance: Class attendance is mandatory.

Regular and punctual class attendance is expected of all students. Student must accept the consequences of failure to attend. Instructor will drop a student from the course for excessive absences. "Excessive absences" means failure to attend 80% of scheduled class meetings. A student missed more than 20% of scheduled classes will be dropped from the course and will receive a failing grade F. A student so dropped may appeal through the college's Due Process.

Note: Student who arrives after the instructor starts a class will be considered as tardy. 3 tardy will be counted as 1 unexcused absence.

A course for which a student registers and does not attend and is not officially dropped will be recorded as an “F” grade on the student’s record. All students (including those who enroll in classes late) are responsible for the work covered and assigned from the first meeting of a class.

ACADEMIC DISHONESTY

Academic Integrity is about performing in your role as a student in ways that are honest, trustworthy, respectful, responsible, and fair (see www.academicintegrity.org for more information). As a student, you will complete your academic assignments in the manner expected by the instructor. Academic dishonesty, including but not limited to cheating and plagiarism may result in suspension or expulsion from the University. Refer to the UOG Student Handbook and Code of Conduct for more information.

Professional and ethical conduct is expected at all times. Unethical conduct includes any form of cheating, including plagiarism. The term “**cheating**” includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations, e.g., looking at other students’ answers, using crib notes (including electronic), getting information from another person via any kind of communication; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or (3) the acquisition, without permission, of tests or other academic material belonging to a member of the University faculty or staff. If you need to use an electronic translator, you must discuss this with me in advance. All assignments and tests must be your own work. Answers you write on the tests must come only from in your head or the information supplied in the test papers; anything else is cheating. Any evidence of cheating will result in a “0” for that assignments and/or exam or possibly an “F” for the entire course – final decision to be determined by me, the course instructor.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights for students, parents and school officials can be viewed at:

<http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

UOG DISABILITIES POLICY

In accordance with the Americans with Disabilities Act (ADA) of 1990 and the Rehabilitation Act of 1973, the University of Guam does not discriminate against students and applicants on the basis of disability in the administration of its educational and other programs. The University offers reasonable accommodations for a student or applicant who is otherwise qualified, if the accommodation is reasonable, effective and will not alter a fundamental aspect of the University's program nor will otherwise impose an undue hardship on the University, and/or there are not equivalent alternatives. Students are expected to make timely requests for accommodation, using the procedure below.

ADA Accommodation Services

For individuals covered under the ADA (Americans with Disabilities Act), if you are a student with a disability requiring academic accommodation(s), please contact the Disability Support Services Office to

discuss your confidential request. A Faculty Notification letter from the Disability Support Services counselor will be provided to me. To register for academic accommodations, please contact or visit Sallie S. Sablan, DSS counselor in the School of Education, office 110, disabilitysupport@triton.uog.edu or telephone/TDD 671-735-2460.

TOBACCO-FREE/SMOKE-FREE/VAPING FREECAMPUS

UOG is a tobacco-free/smoke-free, vaping/e-cigarette free campus. Thank you for not using tobacco products on campus, and for helping make UOG a healthy learning and living environment. For more information visit: <http://www.uog.edu/smoke-free-uog>