

Fall 2020 CPS 5995-01 CIS Capstone

Instructor: Dr. Jing-Chiou Liou
Phone: (908) 737-6154
Room: NAAB 219
Email: jliou@kean.edu
<http://www.kean.edu/~jliou/classes.htm>

Class Room: NAAB 205

Class Hours: Wednesday 1:55 – 4:25PM

Office Hours: Please check on KeanWISE for any update
01:00 PM – 04:00 PM Monday
12:16 PM – 01:46 PM Tuesday and Thursday.
By Appointment 12:00 PM – 01:00 PM Monday
09:59 AM – 10:59 AM Tuesday/Thursday, and
10:54 AM – 01:54 AM Wednesday

Instruction Method: Lecture & Lab.

Pre-Requisite: Completion of 9 CPS graduate credits

Textbook:

Material at your disposal; CS texts, library references, internet, ...

Assessment:

- 1) Quality of project milestones – 50% (requirements, design and testing documents, and implementation)
- 2) Mid review – 25% (progress report and presentation)
- 3) Final project report and presentation – 25%

Mid-Term Progress information will be provided to students by the instructor via KeanWise.

Course Description & Objectives:

This course is a computer technology implementation (or special topic research) that integrates theory and practice in design and development of a working system or prototype. The student will choose a project and then research, design a solution, code, test, document, demonstrate and present results to the class. **The instructor must approve the project.**

In addition to the implementation and integration aspects of the course, a major component is project planning, documentation and presentation. Weekly status reports will be delivered for all projects. Project milestones will be presented to the class for all

projects (requirements review, design review, test plan review, ...). Students are expected to participate in a constructive manner by asking questions and offering suggestions during class to colleagues. Projects will be presented to the campus community the last two weeks of class. Computer science majors/minors and faculty will be invited to attend.

Upon completion of the course, students will be able to:

- A. Research, design and develop enterprise level information systems using enterprise solutions, software engineering techniques and project management techniques.
- B. Utilize knowledge acquired from 9 graduate credits and create computer systems using modern software development tools in a team environment.
- C. Interact cooperatively and constructively in pairs, or small groups.
- D. Recognize the trends and issues facing enterprise systems development.

Attendance: Students are expected to attend all classes and will be held responsible for all material covered during each class.

Technology Usage Policy:

All phones need to be turned to “**silent mode**” and **place out of sight** prior to class beginning. You may not make or take a phone call, text or access the internet during class or a test. Classes may **not be audio or digitally captured**, unless permission has been granted by the instructor for that specific class. Usage of electronic device in class, may result in points deduction. Any student who has their phone out during an exam or quiz will automatically have to turn in their exam and may be referred to the office of student misconduct.

Public posting of course materials from this class is prohibited. Materials presented in the classroom are for the personal use of registered students during the semester only.

Homework, programs, and other classwork should not be shared, distributed or publicized in any way, for the protection of other students and in respect of the intellectual property rights of the faculty and copyright owners. Kean University’s Academic Integrity Policy can be found here: <https://www.kean.edu/media/academic-integrity-policy>.

Important University Academic Information:

- Students are responsible to review and understand the *University Academic Integrity Policy* available via the following link:
<https://www.kean.edu/academic-integrity>
- Instructors must indicate on the syllabus and/or individual assignment if the use of

Kean University academic support services (Tutoring and/or Writing Center) is permitted for take home assignments/exams.

- Students should review the *Student Code of Conduct*, as it discusses expectations of appropriate conduct in the classroom: <https://www.kean.edu/KU/Code-of-Conduct>
- Students are strongly encouraged to register for the University's emergency notification system (<http://www.kean.edu/campusalert>) in order to be informed of campus emergencies, weather notices, and other announcements. Kean Ocean students would sign up via the following link:
<https://ocean.sendwordnow.com/LicensePage.aspx>
- All students must have a valid Kean email account. For those who do not already have one, forms are available on-line at <https://www.kean.edu/offices/ocis/forms>; click on E-mail Account Request Form.

Important Dates:

For important dates, please consult the Academic Calendar via the following link:

<https://www.kean.edu/offices/registrars-office/academic-calendar>

Schedule:

Date	Topics Covered	Chapter in Textbook	Assignment
1/22	Overview: Project objectives and outcomes	N/A	
1/29	Project High-Level Description (HLD) Development		Project Kick-off
Week of 2/5	HLD Review/Baseline and Requirements Development		Draft of Project Management Plan (PMP)
Week of 2/12	System Requirements Document (SRD)/User Stories (USs)		PMP Baseline and Presentation
Week of 2/19	Sprint 1: System Design Document (SDD) Test Plan (TP) Coding		USs Baseline Draft of SDD & TP Presentation of USs/SDD/TP

Week of 2/26	Coding Testing		SDD and TP Baseline
Week of 3/4	Coding Testing		
Week of 3/18	Midterm review Coding and TP Review		Midterm Presentation Sprint 1 Report Midterm Review Report
Week of 3/25	Sprint 2		
Week of 4/1	Coding Testing		
Week of 4/8	Coding Testing		Sprint 2 Presentation
Week of 4/15	Sprint 3		
Week of 4/22	Coding Testing		Pre-final (Sprint 3) presentation
Week of 4/29	Coding Testing		Research Days Showcase
5/13	Final Presentation		Final Report

Americans with Disabilities Statement & Non-Discrimination Statement:

Kean University is an affirmative action, equal opportunity institution. Students with documented disabilities who may need special instructional accommodations or who may need special arrangements in the event of an evacuation should notify the instructor as soon as possible, no later than the second week of the term. Students may contact the Office of Disability Services in Downs Hall Room 122 or call 908-737-4910 to discuss special needs.

Title IX

Title IX of the Education Amendments of 1972 (Title IX) prohibit discrimination on the basis of sex in education programs or activities. Sexual harassment in any form will not be tolerated at Kean University. Sexual harassment by students should be reported to the Office of Affirmative Action

Programs, Office of the Vice President for Student Affairs or the Office of Community Standards and Student Conduct immediately. Information about the University's Sexual Misconduct Policy may be found at the following:

<http://www.kean.edu/policies/sexual-misconduct-policy>.

KU Non-Discrimination Policy:

Kean University is an affirmative action, equal opportunity institution.