

CS400: Syllabus

CS400: CS Capstone I

Fall 2022

Meeting Times:

- **Mondays & Wednesdays (11:00a-12:15p):** These class sessions are reserved for you to work as a team, unencumbered by “interference” from the faculty. We will have potential conflicts for the use of KEC 118 due to having multiple teams giving presentations on alternate days: Radio Telescope (Wednesdays), Privilege Walk (Fridays), plus other project teams that have yet to form. Since the Radio Telescope team has specific hardware that they need to work with, some of it located in KEC 118, that team might take precedence, at times, in which case I have reserved KEC 123 for your use M-W-F from 11:00a to 12:15p.
- **Fridays (11:00a-12:15p):** This class session is reserved for weekly status updates, assignment presentations, and Milestone presentations. We will meet **in-person** in KEC 123 for all weekly status updates, assignment presentations, and milestone - unless otherwise noted. Your clients (David McHugh and Tyler Franks for the YCPHacks website project) will be in attendance at these meetings, as well. NOTE: It is not unusual for these in-class sessions to run past 12:15 at times, especially during the status reports and milestone presentations. If you have another class scheduled immediately following this class, please let me know, and I will try to make accommodations. For Milestone presentations, you might need to make accommodations with your other professors.

Location: KEC 123 and/or KEC 118 (the back 2 benches in KEC 118 are reserved for the Radio Telescope team, the remaining 3 benches are open for use by any other team.

Webpage: <https://ycpcs.github.io/cs400-fall2022/>

Instructor:

Donald J. Hake II

Email: djhake2@ycp.edu

Office: At this time, there is no adjunct office, but there might be one assigned in the near future

Phone: I no longer have an office phone number, but I could be persuaded to provide my cell number

Office Hours: W-F: 12:15p to 1:00p (immediately following Capstone, and by appointment)

Course Description

Student teams will complete a substantial project provided by sponsors drawn from both industry and research organizations. These projects will be developed under the direction of

the course instructor and members of the sponsoring organization.

Prerequisites: CS 320 with a grade of 2.0 or higher (or PC from Spring 2020)

Credit: 3 credit hours

Text: None

Grading Policy

Your team's grade will be determined as a weighted average of the grades on the 7 assignments, as follows:

- Assignment 1 - Team Project Proposal - **5%**
- Assignment 2 - Weekly Progress Journals, Status Reports, Demonstrations - **20%**
- Assignment 3 - Requirements - **10%**
- Assignment 4 - Analysis and Design - **15%**
- Assignment 5 - Minimal Working System - **10%**
- Assignment 6 - 50% Working System - **10%**
- Assignment 7 - Final Working System (10%), Presentation (10%), Technical Report (10%) - **30%**

NOTE: You will be presenting your work for each of these assignments in class on the Fridays they are due. On the Fridays that you do not have an assignment or milestone due, you will be presenting progress reports, as part of assignment 2. Your weekly journal entries are **due EVERY Friday by 11:00a, immediately prior to EVERY Friday class period, regardless of what else is due that day.**

Individual course grades will be assigned on a 100-point scale according to the following table, and will be determined from your weekly progress journal entries and reports, combined with your team's grade, **multiplied by your individual effort factor determined from the results of your mid-term and final peer evaluations:**

Range	Grade
≥ 90 and ≤ 100	4.0
≥ 87 and < 90	3.5
≥ 80 and < 87	3.0
≥ 77 and < 80	2.5
≥ 70 and < 77	2.0
≥ 60 and < 70	1.0
< 60	0

NOTE: Your individual grade will be based on your team's overall grade, as well as the results of your mid-semester and final peer evaluations, which will establish an effort factor that will be used to provide with a percentage of the team grade for which you will receive credit. This portion of the grade will assess a variety of factors over the duration of the semester-long project, including: individual level of effort, technical contributions and competence, time management, motivation, teamwork, leadership, organization and planning, communication skills, contributions to project documentation, and overall attitude. The individual effort,

technical contributions, and technical competence will be determined by the amount and significance of git commits, weekly updates, and peer evaluations.

Attendance Policy

Attendance at every status/presentation meeting (Fridays) and every team meeting (Mondays & Wednesdays) is mandatory.

Academic Integrity

York College's mission statement stipulates that strict adherence to principles of academic honesty is expected of all students. Therefore, academic dishonesty will not be tolerated at York College. Academic dishonesty refers to actions such as, but not limited to, cheating, plagiarism, fabricating research, falsifying academic documents, etc., and includes all situations where students make use of the work of others and claim such work as their own.

When a faculty member believes a student has committed an act of academic dishonesty, the faculty member must promptly notify the student in writing and obtain confirmation of notification from the student. The faculty member then has ten business days from that written notification to the student to report the incident to the Dean of Academic Affairs and the Department Chair. Documentation related to instances of academic dishonesty will be kept on file in the student's permanent record. The faculty member has full discretion to determine a suitable penalty for the student, up to a course grade of 0. This discretion is limited to the course in which the dishonesty took place. Students may not withdraw from a course in which they have been accused of academic dishonesty, unless and until the accusation is withdrawn by the faculty member or is overturned by the Student Welfare Committee or the Dean of Academic Affairs.

Students who believe they have been unjustly charged or sanctioned must discuss the situation with the faculty member and have 10 business days thereafter to submit an appeal to Student Welfare Committee through the Dean of Academic Affairs. If an appeal is filed, the Student Welfare Committee will then conduct a hearing to review the charge and/or sanction. In the case of an egregious first offense, the faculty member may request that the Student Welfare Committee conduct a hearing and determine a sanction, which may involve academic probation, suspension or dismissal from the College.

If the Dean of Academic Affairs determines that the academic dishonesty is the student's second offense, the Dean will provide written notification to the student, the faculty member, and the Department Chair. The Student Welfare Committee will automatically conduct a hearing to review the charge and decide on an appropriate sanction, which will involve academic probation, suspension or dismissal from the College. Students who believe the Student Welfare Committee has unjustly sanctioned them may submit a written appeal to the Dean of Academic Affairs within 72 hours of receiving notification of the Student Welfare Committee's sanction.

Personal Technology Policy

While York College recognizes students' need for educational and emergency-related technological devices such as laptops, PDAs, cellular phones, etc., using them unethically or recreationally during class time is never appropriate. The college recognizes and supports

faculty members' authority to regulate in their classrooms student use of all electronic devices.

Communication Standards

York College recognizes the importance of effective communication in all disciplines and careers. Therefore, students are expected to competently analyze, synthesize, organize, and articulate course material in papers, examinations and presentations. In addition, students should know and use communication skills current to their field of study, recognize the need for revision as part of their writing process, and employ standard conventions of English usage in both writing and speaking. Students may be asked to further revise assignments that do not demonstrate effective use of these communication skills.

Students with Disabilities

If you are a student with a disability in need of a classroom accommodation and have not already registered with Linda Miller, Director of Disability Support Services, please contact her at 815-1785 or lmille18@ycp.edu to discuss policies and procedures related to disability services and to establish the accommodations for which you are eligible.

Disclaimer: This syllabus is subject to change by the instructor.

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