CS100: Introduction to the Profession

1 **Course Overview**

An introduction to computer science as an academic pursuit and profession. Presents a broad survey of CS related topics and research areas, emphasizing problem-solving processes and their interdisciplinary nature.

2 **Course Objectives**

- Develop a basic understanding of major current and historical areas of interest in computer science.
- Explore ideas and technologies from modern-day applied CS.
- Understand the relationship of CS to other fields — notably, to the natural and social sciences, engineering, mathematics, the arts, and business/entrepreneurship.
- Consider and debate ethical and social issues in applied CS.
- Recognize resources available to help prepare for a career in CS.

3 **Course breakdown**

10%: Attendance 20%: Lecture Surveys 10%: Ethics/Debates 40%: P33 Project 20%: Labs

Assignment grades will be updated in Blackboard periodically. A>=90 B>=80 C>=70 D>=60 E<60

3.1 **Attendance**

CS100 Attendance is mandatory for both lecture and lab. Two absences are automatically excused — after that, each absence will reduce the attendance score by 10%.

3.2 **Lecture Surveys/Quizzes**

Surveys/Quizzes will be administered via password protected online forms at the end of each lecture. You must be attending to complete and submit them. Deadline for the survey/quiz is midnight Friday.

3.3 **Ethics Assignments/Debates**

There will be two ethics assignments and two debates (centered on current digital society topics). Two teams of two or three will be told the debate topic and side (supporting or opposing) one week in advance, so they can prepare. Each student will be assigned to a debate team twice over the course of the semester. Non-debaters will complete surveys during the debates.

3.4 **P33 Project**

IIT is working with P33 [https://p33chicago.com/](https://p33chicago.com/) to impact the technology and innovation hub in Chicago. As part of this effort, there is an opportunity for all CS100 students to engage with a local tech employer in their first term.

Build meaningful connections with tech companies from the very beginning of your college journey. In this subset of CS100, you’ll be engaging with local tech employers to solve real-life business problems. You will be working in small groups under the guidance of these professionals to understand current business practices, create high-quality solutions, and get a real sense of what working in tech is like. At the end of the course, you will have acquired the skills, experiences, and connections you need to successfully continue your undergraduate program of study and entry into the tech space.

From week 3 through 12, there will be weekly P33 team assignments, and a project deliverable due at the end of week 12

3.5 **Labs**

A new lab assignment (coded, written, etc.) will be announced most weeks, and TAs will be on hand to facilitate work during the lab session. Submission mechanisms will vary. Lab scores range from 0 (no submission) to 4 (best), and all labs are weighted equally.