**CSCI 355 – Introduction to Programming Languages**

**Course Syllabus**

**Fall 2023**

**Course Information:**

**Goal:** The goal of this course is to provide you with a solid foundation and understanding of various programming language concepts and different paradigms of programming. Upon completion of this course you should have a better understanding of the roots and core concepts of various popular programming languages, been exposed to new programming languages, and learned different applications of programming languages.

**Credit Hours:** 3

**Time and Location:** Tuesdays/Thursdays: noon – 1:15pm (ES 2107)

**Prerequisites:** CSCI 240, CSCI 340

**Textbook:** None

**Topics:**

* Syntax and Semantics
* Names, Bindings, and Scopes
* Data Types
* Expression and Assignment Statements
* Control Structures
* Subprograms
* Data Abstraction
* Logic and Functional Programming
* Object-Oriented Programming
* Concurrency
* Exception Handling and Event Handling

**Instructor:** Sabrina Tarin Chowdhury

**Office:** SL 280B

**Office Hours:** Tuesday and Thursday from 1:30 pm to 2:45 pm

**Email:** sabchow@iupui.edu

**Teaching Assistant (TA):** TBD

**Communication:**

You are always welcome to email us with questions. We will typically reply to email within 24 business hours.

**Course Requirements and Grading:**

**Assignments (40% of grade):** You will have a homework assignment due most **Sundays**. Assignments submitted late will be penalized 10% of the credit earned per day late.

**Projects (30% of grade):** You will complete three larger projects throughout the course. These will be due on **Sundays**, and you will not have homework assignments due the same week as a project. Projects submitted late will be penalized 10% of the credit earned per day late.

**Quizzes (30% of grade):** You will have a quiz most **Thursdays** during class. These will be typically be closed-book, closed-note, and done using pencil and paper. You cannot makeup a quiz without documentation (medical emergency, etc.), but your lowest two quiz scores will be dropped. There will be no final exam.

**Grading Scale:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 100% - 97%  A+ | 96% - 93%  A | 92% - 90% A- | 89% - 87% B+ | 86% - 83%  B | 82% - 80% B- |
| 79% - 77%  C+ | 76% - 73%  C | 72% - 70% C- | 69% - 67% D+ | 66% - 63%  D | 62% - 60% D- |
| 59% - 0%  F |  |  |  |  |  |

**IUPUI Code of Student Rights, Responsibilities, and Conduct:** <http://studentcode.iu.edu/>

The IUPUI Code of Student Rights, Responsibilities, and Conduct lists six categories of academic misconduct – cheating, fabrication, facilitating academic dishonesty, interference, plagiarism and violation of course rules. Any observation of misconduct may result in a zero for a particular grade or an F for the course grade.

**Policy on Academic Dishonesty in the Department of Computer and Information Science at IUPUI:**

The faculty in the Department of Computer and Information Science (henceforth, referred to as the department) values academic honesty to be absolutely essential and expects all students to conform to it. Any violation of academic integrity is considered a serious offense and will result in severe consequences.

The policy against violations of academic integrity will be enforced at the departmental level across all courses.

If a student does not abide by this policy then, for the first violation, he/she will receive zero points for the component of the course on which academic misconduct occurred and will be reported to the Department Chairperson. If the violation is not related to a specific assignment or exam, the course instructor reserves the right to impose the zero-point penalty to any component of the course.

For a second violation of academic integrity (occurring anywhere in the graduate or undergraduate curriculum, in the same or a different semester, in the same or a different course), the student will receive a failing grade for the course where the second violation occurred, as enforced by the Department Chair and the School of Science Dean’s Office, and, in addition, an official reporting process will be initiated by the Department Chair as per IUPUI's Student Conduct Policies: http://studentaffairs.iupui.edu/student-rights/student-code/.

For a third violation, the department will initiate dismissal request from the program in which the student is enrolled.

In all cases of academic integrity violation, the involved student will be notified in writing at the time the offense is observed and acknowledge the receipt of such notice in writing.

This is the minimal policy and the department reserves the right to impose more severe penalties for the first and/or second offense of academic misconduct.

The student will have opportunities to file appeals at the department, the school, and the university levels, to contest the academic dishonesty finding and/or the imposed penalty.

At the department level, any appeal will be made to the department’s graduate or undergraduate committees respectively, depending on whether the student is a graduate or an undergraduate student. The graduate or undergraduate committee chair will substitute any committee members involved in the penalty imposition process with other faculty members with no conflicts of interest before processing the appeal. If desired, a student can pursue a further appeal to the School of Science Appeals Committee. Finally, the student can also submit an appeal to the IUPUI Appeals Committee.

**Accommodations:** Every attempt will be made to accommodate students with disabilities (e.g. mental health, learning, chronic health, physical, hearing, vision, neurological, etc.) You must have established your eligibility for support services through the Adaptive Educational Services office that serves students with disabilities. Note that services are confidential. Please contact AES office as soon as possible if accommodations are needed. AES is located in Room 100 Taylor Hall – phone: 317-274-3241

**Note:** The instructor reserves the right to adjust this syllabus as necessary.