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### CSCI 152.01: Interdisciplinary Computer Science II

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## **CSCI 152 Interdisciplinary Computer Science II**

### Brief course description:

Students will learn general programming concepts and object oriented design using the Python3 programming language.

### Instructors:

Jake Pennington, Social Science 406

Oliver Serang, Social Science 408

Office hours Wednesday, 11:00am – 12:00pm over Zoom: <https://umontana.zoom.us/j/8349087851>

### Time and place:

11:00am – 12:20pm Tuesday and Thursday in room JRH204

### Final exam:

There will be no final exam.

Textbook: Introducing Python: Modern Computing in Simple Packages 2nd Edition, (Bill Lubanovic)

### Learning goals:

1. Understand the basic concepts of computer science.
2. Be able to write useful programs in Python3.

### Learning outcomes:

Students will learn computer science topics including arrays, inheritance, polymorphism, exceptions, recursion, basic data structures, basic algorithms, and object oriented design.

### COVID policy:

For the latest information on campus COVID policies, please visit <https://www.umn.edu/coronavirus>

Assigned seats will be required by university policy for contact tracing in case of infection.

### Attendance policy:

As a primarily lecture-/lab-based course, attendance is required as part of your grade.

The class will meet in person. If a student is in quarantine, let me know before class; in that case, a Zoom link will be provided so that the student can listen in live. Zoom links will only be provided for illness / quarantine; if no students require it, lectures will be performed in person only.

Missed assignments will be given a score of 0 without a note from a doctor for the day of the assignment.

### Homework:

Homework programming assignments are to be done before class when instructed. They will be graded by demonstrating the effectiveness of their python programs.

### In-class assignments:

We will have in-class programming assignments and quizzes. Your in-class average will be computed by excluding quizzes absent with a doctor's note for that date. Otherwise, absences result in a 0 grade.

### Grading:

Final grades will be curved at the instructor's discretion. The pre-curved grades will combine grades with the following weight:

- 50% in-class assignments and quizzes
- 25% homework
- 25% attendance

These pre-curved grades will be: 90% A, 80% B, 70% C, 60% D, 50% F, and the curve may only improve grades.

To show the greatest respect for your fellow students, further inquiry on grades (*e.g.*, “What if I wrote...”) should be conducted at office hours after the graded assignment has been returned. Likewise, students should not challenge the substance of the course (*e.g.*, “I don’t think this question was fair...”); this is disruptive to other students, and each student is ultimately responsible for their own mastery of the material covered in the lecture. A good education is a worthwhile challenge, and we’re all in this together!

Academic honesty and plagiarism:

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code: ([http://www.umt.edu/vpsa/policies/student\\_conduct.php](http://www.umt.edu/vpsa/policies/student_conduct.php)).

To make a level playing field, students are responsible for having potentially helpful materials (*e.g.*, notes, smartphone), put away if requested for quizzes. Failure to do so or talking to other students during a midterm or exam will result in a 0 for that assignment.

Disability policy:

The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students. If you have a disability that adversely affects your academic performance, and you have not already registered with Disability Services, please contact Disability Services in Lommasson Center 154.