Syllabus

Villanova University

Course: CSC 1010 - Programming for All
Term: Spring 2024
Instructor: Dr. Maurício Gruppi
Email: mauricio.gouveagruppi@villanova.edu
Office: Mendel Hall, 292A
Last updated: Feb 19, 2024

🔗 Quick links

- Textbook: Rephactor Python

- Schedule

🕐 Meeting times and locations

- **Section 001**: Mon/Wed 1:55-3:10 PM, Mendel Hall G90

🕐 Office hours

- **Dr. Gruppi**:

    - Tue/Thu 4:00 PM - 5:00 PM, Mendel 292A

    - Wed 3:30 PM - 4:30 PM, Mendel 292A

    - *Possibly available at other times or via Zoom upon request.*

- **TA**: Giorgi Tsartsidze

    - Tue/Wed 4:00 PM - 6:00 PM, email for appointment: gtsartsi@villanova.edu

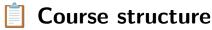*All office hours subject to change. Updates will be posted.

Contents

📖 Main references

[Back to top]

- Required textbook (digital): **Rephactor Python Book**.
    - **Course code**: `csc1010-s24-001`
- Lecture notes and assignments will be available on the course Blackboard page.
- **Thonny** - the Python IDE for beginners
- Python 3.10 documentation.

📋 Course structure

- Classes will take place in person at the designated time and location. The schedule will be available on Blackboard describing the contents of each class, including homework due dates, labs and exams.

- Lab sessions will take place in person at the designated time and location. Labs are part of the course assessment. The student is required to bring a network and programming capable device to to the sessions.

- Evaluation will be based on homework assignments, labs, exams and participation. Details in section **Assessment**.

- Office hours will be held to provide addition guidance to students. See section **Office hours** for details.

🎯 Course objectives

The overall objective of this course is to teach students the fundamental concepts and basic skills of programming in Python. Upon successful completion of the course, the student will be able to:

- Understand the control flow of computer programs.

- Formulate solutions to problems using programming logic.

- Implement algorithms and solutions in Python 3.

- Understand the basic concepts of programming, including variables, conditionals, loops, functions, and data structures.

📈 Assessment

Assessment of the learning goals in the class will be performed across various activities. Grades will be distributed with the following activities:
A description of each assessment module as well as their related goals is shown in Table 1. The final grade cutoff points are displayed in Table 2.

Assignment	Points
Homework	20%
Labs	25%
Midterm exam 1	15%
Midterm exam 2	15%
Final exam	20%
Active participation	5%
Total	100

Assessment	Description	Goals assessed
Homework	Each assignment consists of a set of problems to be solved and submitted by a specified deadline. The lowest homework grade will be dropped in the final grade.	Fundamental understanding, application, problem interpretation, problem solving and coding skills.
Labs	Lab sessions will take place in the classroom and will consist of programming tasks to be completed on the same day.	Fundamental understanding, interpretation, coding skills
Midterm exams	Two exams consisting of open-ended and programming questions.	Fundamental understanding, problem interpretation, coding skills.
Final exam	A comprehensive and cumulative exam used to assess the overall understanding of the concepts introduced in the class.	Fundamental understanding, interpretation.
Active participation	Points given for students who demonstrate active participation during the course, such as asking/answering questions during class and attending office hours.	Human aspect of learning, care for the topic.

Table 1: Assessment modules

✅ Attendance

Attendance is expected for a successful completion of this course. The instructor will register the attendance at the beginning of every class.

As per University guidelines, if the number of unexcused absences for first year students exceeds twice the number of weekly classes (four absences for a course that meets twice

Grade	Cutoff	Grade	Cutoff
A	93	C	73
A-	90	C-	70
B+	87	D+	67
B	83	D	63
B-	80	D-	60
C+	77	F	<60

Table 2: Letter grade cutoff points

a week), then such student will receive a failing grade "Y".

Personal Days

In addition to the attendance policy stated above, students are entitled to one excused absence for any reason that may contribute to their personal wellness. Students must advise the instructor by email before class of their intent to utilize a Personal Day as the reason for their absence. A Personal Day will not be approved retroactively. Students may, but are not required, to provide additional information regarding their absence. Additionally, a Personal Day may not:

a. be used immediately preceding or following a University holiday or break period;

b. be used on days when exams, presentations or other major assignments are scheduled.

A Personal Day does not grant an automatic extension for items due. Students remain responsible for all assignments, exams, presentations, etc. due on that date. It is in the instructor's discretion to determine whether any extension is appropriate given individual circumstances.

🤖 Technology

[Back to top]

- Students are required to bring a laptop to the lab sessions. The laptop must have network connectivity and be enabled to access Blackboard.

- During expository lectures, students are allowed to make use of technology to assist them in the process of learning. Laptops, tablets and similar devices are permitted for uses related to the class and **should not cause distractions to anyone present**.

- All homework and assessments must, unless stated otherwise, **be typeset**, students should make use of a computer and a text editor to write reports and homework solutions and export them in PDF format.

- Poll Everywhere is an online polling platform that we will use throughout the semester to engage you in the course and with your peers. Participation points can be obtained through responding to polls in class. Please bring a web-enabled device (phone, tablet, laptop) to every class so you can participate

- Use of **Artificial Intelligence**: all submissions made by a student should be a result of their own work or, in the case of group work, their peers. The use of AI or Large Language Models such as ChatGPT, Llama 2 and Google Bard should be made with caution to ensure it will be beneficial to the student's learning outcomes. Answers generated by such models will **not be accepted** and will configure an **academic integrity violation**.

🕐 Late work

[Back to top]
Late work will not be accepted unless there is an excused absence. Make sure to notify the instructor as soon as possible to discuss the submission.

✍️ Student conduct

[Back to top]
As it is every member's responsibility to contribute to the creation of a healthy and safe community, students are required to comply with University health and safety directives, guidelines, rules, regulations and protocols in times of emergency and/or public health concern. Violations may be referred for action under the Code of Student Conduct.

Office of Disabilities and Learning Support Services

[Back to top]
It is the policy of Villanova to make reasonable academic accommodations for qualified individuals with disabilities. All students who need accommodations should go to Clockwork for Students via myNOVA to complete the Online Intake or to send accommodation letters to professors. Go to the LSS website or the ODS website for registration guidelines and instructions. If you have any questions please contact LSS at 610-519-5176 or learning.support.services@villanova.edu, or ODS at 610-519-3209 or ods@villanova.edu.

Academic Integrity

[Back to top]
All students are expected to uphold Villanova's Academic Integrity Policy and Code. Any incident of academic dishonesty will be reported to the Dean of the College of Liberal Arts and Sciences for disciplinary action. You may view the University's Academic Integrity Policy and Code for a detailed description.

Absence for Religious Holidays

[Back to top]
Villanova University makes every reasonable effort to allow members of the community to observe their religious holidays, consistent with the University's obligations, responsibilities, and policies. Students who expect to miss a class or assignment due to the observance of a religious holiday should discuss the matter with their professors as soon as possible, normally at least two weeks in advance. Absence from classes or examinations for religious reasons does not relieve students from responsibility for any part of the course work required during the absence. For more information, see Religious Holidays.

Lecture recording

[Back to top]
This course, including your participation, will be recorded on video and may be made available to students in the course for viewing remotely. Course videos and materials belong to your instructor, the University, and/or other sources depending on the specific facts of each situation, and are protected by copyright. Do not download, copy, or share any course or student materials or videos without the explicit permission of the instructor. For questions about recording and use of videos in which you appear please contact your instructor.

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[Back to top]
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