

Syllabus: CS 102 Multimedia Computing - Fall 2025

Class Time: Section 01: MWF 9am – 9:50am in Taylor 205
Section 02: MWF 10am – 10:50am in Taylor 205

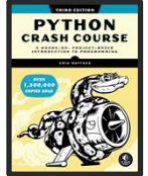
Website: <http://cswb.wooster.edu/dguarnera/cs102/>

Professor: Drew Guarnera (dguarnera@wooster.edu)

Office: Taylor 313

Office Hours: Mon, Weds, Friday 11:00am-12:00pm and Tues 1:00pm-2:00pm [by appointment](#)

Textbooks: The textbook is available online [via O'Reilly](#). You can buy a physical copy if you like, but it is not required. See the course web page for a link to the book.



- [Python Crash Course, 3rd Edition](#) (ISBN: 1718502702)

Other resources will be made available as needed.

Course Description: Together we discuss the field of Computer Science and its relation to the domain of multimedia content and applications. We will learn about different forms of multimedia and how this content is represented digitally with computers. Using the Python programming language, we explore:

- Basic programming concepts
- Problem-solving strategies
- Digital storage of text and images
- The binary and Hexadecimal number systems
- Manipulation of multimedia formats programmatically
- The creation of interactive content like computer games

Upon completing this course, students will have acquired the necessary skills to implement their creative visions using code.

Course Goals: Upon completion of this course, a successful student will:

- understand foundational programming concepts
- apply basic software development techniques
- understand the representation of a variety of multimedia formats using computers

create small to moderate-sized programs in Python

Prerequisites: None

Grading: Your final grade will be calculated as follows.

10%	Quizzes. Regular Moodle quizzes assess whether you are engaging with the material outside of class, and to highlight important takeaways from the material. Quizzes, which are to be completed individually, will close at the end of the day they are assigned to allow questions to be asked during class time for content clarification.
5%	Engagement. You are expected to attend class on time and engage with class demonstrations, activities, and discussions. Questions are also highly encouraged and appreciated ☺. Daily engagement is worth 2 points each class: <ul style="list-style-type: none">• Attending class <u>ON TIME</u> – 1 point• Getting the Plicker Question Correct – 1 point If you are late or absent you will NOT receive engagement points. Attendance and participation will be performed via Plicker. If you lose your Plicker card or forget to bring it to class, you cannot earn engagement points for that day. If your card is lost, you can come to my office and I'll print you

	out another one, but I will not bring replacement Plicker cards to class for you. You can also download a replacement Plicker card but you will need to know your Plicker number.
15%	Exercises. These assignments will generally consist of more involved coding or written assignments. All exercises are to be completed individually, unless otherwise explicitly stated in the instructions. Exercises will vary in length and relative difficulty with due dates set accordingly. All exercises must be submitted on or prior to the due date. Exercises will be essential practice to help build skills and practice for exams.
50%	Exams. There will be three exams. The course website will provide tentative dates.
20%	Final Project. The final project is in place of a final examination. This project will be a team project and requires a project implemented using Python and a project presentation.


This class uses the standard grading scale:


A	A-	B+	B	B-	C+	C	C-	D	F
93%	90%	87%	83%	80%	77%	73%	70%	60%	below


Note that homework assignments are primarily intended to give students opportunities to practice what they learn. Much of your learning is expected to come from practice! I hope you understand this work's value and do not regard it solely as a grading source. With this in mind, the instructor will grade a subset of homework assignments. The remaining subset may be graded partially or based on whether the work was submitted.


Pass/Fail option. Students can elect the equivalent of four courses (in addition to Senior Independent Study) graded S/NC out of 32 courses required for graduation [excluding courses taken S/NC in Spring 2020, Fall 2020, and Spring 2021]. The minimum equivalent grade to earn an S in courses graded S/NC is C-. The deadline for electing a Pass-Fail grading option is one week after final grades are posted.


Course Drop. Be aware of the dates you can drop and enroll in courses. This information is found on the [Wooster Registrar's page](#). Remember that the minimum enrollment of 3.0 credits remains in effect. Requests to drop enrollment below 3.0 credits require additional documentation using [other academic petitions](#).

Attendance: We work best as a learning community when everyone participates. As such, it is expected that you will attend  class at scheduled times and in accordance with health and safety protocols. If you cannot attend, I encourage you to check the course website and get notes from a classmate to catch up on missed materials. I will communicate any changes to this schedule to you in a timely manner. Per college policy, a student may not miss more than 25% of class meetings (e.g., ~3.5 weeks of class for a full-credit course in fall/spring semesters), through any combination of excused and unexcused absences. If this occurs, the instructor will notify the Dean for Curriculum and Academic Engagement and the Dean of Students for consultation.


Technology: Our class works best using our devices to further our learning. I encourage you to use technology during class  time to enable, rather than distract from, our learning and community building. During class, we'll write code and critiques. Bring your laptop every day.

Communication: Communication is the key to success. Contact me as soon as possible if you are struggling with material or if a conflict arises.  The best way to contact me outside of class is by coming to my office hours or asking a question via email. If you have a private concern, such as a question about your grade, we will discuss it privately in my office or over email. You should allow at least 24 hours of response time for any communication. I usually respond faster than that, but you should not count on it. Please remember this when contacting me late at night or over the weekend.


Late Policy: I will do my best to quickly grade and return assignments to you. Late submissions make timely grading and  scaffolded coursework much more difficult. Many assignments support additional coursework or content. As such, **late assignments are not accepted.**

Accommodations: Your success in this class is important to me. We all need accommodations to learn effectively. If aspects  of this course prevent you from learning or exclude you, please let me know as soon as possible. You do not need to share specifics, but we can work together to develop strategies to meet both your needs and the course requirements, and to identify specific resources that may assist you.

Names and Pronouns. All people have the right to be addressed and referred to in accordance with their personal identity.

 We include pronoun introductions to avoid gender-based assumptions and ensure the correct pronoun is used when referring to you. I will do my best to address and refer to all students by the names and pronouns shared in class, regardless of what is listed on the roster, and I support classmates doing so as well. In this class, we will have the chance to indicate the name that you would like to be called and, if we choose, to identify pronouns with which we would like to be addressed. The name and pronoun(s) you use may change, and if they do, please let us know that you want us to change how we address you. You can find additional information [here](#) to change your chosen name and pronoun(s) in the College of Wooster system.


Other Class Policies & Academic Integrity: You must know and abide by the institution's rules described in The Scot's Key and the Handbook of Selected College Policies (found [here](#)). Dishonesty in any of your academic work is a serious breach of the Code of Academic Integrity and is grounds for an F in this course. Such violations include but are not limited to turning in another person's work as your own, sharing code, copying from any source without proper citation, and violating expectations for a group project. You may discuss ideas with your peers. However, sharing your code or accepting code from other students is not allowed.

 In this course, my expectation is that you will **not** use any artificial intelligence (AI) powered programs (e.g., ChatGPT, DALL-E, etc.) to help you with your assignments without my **explicit written permission**. Using AI-generated work to outline, write, create, or edit your assignments will be considered an academic integrity violation. These programs may provide inaccurate or biased information, but more importantly, they do not serve your development as a student. In this course, you will learn valuable skills from outlining, generating, and editing your own work. Unless explicitly stated by me, **FOR ALL COURSE WORK, YOU MAY ONLY USE PROGRAMMING CONCEPTS, TECHNIQUES, LANGUAGE FEATURES, AND LIBRARIES DISCUSSED IN THE COURSE**. For any assignment submitted, you may be asked to explain or demonstrate your understanding of the submitted work. An inability to do so satisfactorily can result in grading penalties. If you have any questions about this policy or are unsure whether a resource you found will violate it, please ask.

You must be an active learner for this class to be effective and enjoyable. You are expected to contribute to each class session. This includes arriving on time, actively participating in the in-class activity, asking questions, and responding to others' questions. Students who are successful in this course are responsible for their preparation. This means reading the assigned chapters, checking the course website for updates and upcoming deadlines, and completing assignments on time.

Behavior that is discouraged includes but is not limited to disrespectful interactions such as yelling/cursing, intolerant language, tardiness, and misuse of technology for purposes unrelated to the class. Students who don't abide by my standards of classroom interaction and who engage in behaviors that disrupt and distract in the learning environment will be subject to the procedures laid out in Scot's Key.

Conflicts with Academic Responsibilities: When conflicts arise between academic commitments and complementary programs (including athletic, cultural, educational, and volunteer activities), students, faculty, staff, and administrators all share the responsibility of minimizing and resolving them. The College expects students to give the highest priority to their academic responsibilities. As a student, you have the responsibility to inform me of potential conflicts as soon as you are aware of them and to discuss and work with me to identify alternative ways to fulfill your academic commitments without sacrificing the academic integrity and rigor of the course.

Title IX: The College is committed to fostering a campus community based on respect and nonviolence. To this end, we  recognize that all Wooster community members are responsible for ensuring that our community is free from discrimination, gender bias, sexual harassment, and sexual assault. In accordance with Title IX, Wooster is legally obligated to investigate incidents of sexual harassment and sexual assault that occur on our campus. Faculty who become aware of an incident of sexual violence, including harassment, rape, sexual assault, relationship violence, or stalking, are required by law to notify Wooster's Title IX Coordinator. The purpose of this disclosure is to ensure that students are made aware of their reporting options and resources for support. For more information about your rights and reporting options at Wooster, including confidential and anonymous reporting options, please visit [here](#).

MCS Department: The College of Wooster is committed to inclusive excellence in undergraduate education, and our department seeks to actively foster a welcoming learning environment in which diversity and individual differences are valued, respected, and celebrated. Diversity comes in many forms, including but not limited to, race, color, national origin,

ancestry, sex, gender identity and expression, sexual orientation, socioeconomic status, religion, age, and physical and/or mental abilities. The diversity that students and staff bring to the classroom is an invaluable resource, strength, and benefit to everyone at the College of Wooster. As such, we are vigilant and attentive about issues of diversity, equity, and inclusion in the classroom. Expressions or actions disparaging others are contrary to the mission of the department and will not be tolerated.

Additional Resources. Please view the course website for additional links and resources, including information on Moodle, the Academic Resource Center, Library Support, health and safety guidelines, Title IX, and discriminatory or bias-related harassment reporting.

We're All Human. Let's all practice empathy, kindness, and understanding - towards each other and ourselves. Although every effort has been made to make this syllabus as complete as possible, changes may occur regarding the course schedule, grading, assignments, and office hours. I reserve the right to change this syllabus and other course resources if necessary. Any changes will be communicated promptly.