Programming Fundamentals (CSCI-12010-501); Asynchronous

Instructor: Jae Tyler / jaetyler@unm.edu
Office Room Number: Online

Instructor's Phone: 678-322-8016 (leave voicemail)
Office Hours: By Appointment

Goals: The objective of the course is an understanding of the relationship between computing and problem solving. We will be using Python to solve engineering and math problems. The high-level language is Python; the student will learn the basic syntax and rules of Python and will practice it extensively during the term. If you have no previous programming experience, this is the course for you.

Textbook

The textbook is Mark Lutz's *Learning Python: Powerful Object-Oriented Programming*. ISBN: 1098171306.

Why Choose Python?

Python has evolved from a humble scripting language into one of the most widely embraced programming languages today. It stands out for several compelling reasons:

1. Readability: Python is renowned for its high-level syntax, making it exceptionally easy to read and write code.
2. Interpreted Language: Python is an interpreted language, which means you can write and execute code without the need for complex compilation processes.
3. Foundational Syntax: Learning the syntax of any language is crucial, and Python is no exception. These rules serve as the building blocks for crafting solutions to problems.
4. Accessibility: Python is open source and free to use for anyone. Additionally, a wealth of free tools and libraries are available to enhance your coding experience.
5. Cross-Platform Compatibility: While some minor issues may arise with file management, Python is mostly cross-platform, allowing you to work seamlessly across different operating systems.
6. Versatility: Python's versatility extends to mobile devices, enabling it to run on phones, which is a notable advantage.
7. Abundant Resources: Python boasts an extensive ecosystem of learning resources and examples, making it one of the most well-supported languages for newcomers and experienced programmers alike.

8. Global Accessibility: When you publish your code using Python, it becomes accessible to anyone worldwide. Python's clarity and simplicity ensure that others can understand and run your code effectively.

In summary, Python's readability, interpretive nature, foundational syntax, accessibility, cross-platform capabilities, mobile compatibility, extensive resources, and global reach make it an outstanding choice for aspiring programmers and seasoned developers alike.

Important Dates:

- **Semester Length:** 17 Aug – 12 Dec
- **Last Day to Drop without "W":** 4 Sept, 5:00 PM Deadline
- **Break & Holidays:**
    - **Labor Day:** 7 September
    - **Fall Break:** 26-27 November

ATTENDANCE POLICY: Online, submit assignments on time.

Academic Integrity:
Having academic integrity is paramount to your success in any class. Plagiarism or cheating is not tolerated. Any instance of this will result in a grade of zero for that assignment.

Here is the link to the UNM Academic Dishonesty Policy: https://policy.unm.edu/regents-policies/section-4/4-8.html. The policy states: Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or who otherwise fails to meet the expected standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic Dishonesty is defined as:
"Academic dishonesty" includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

LIBRARY USAGE: Be sure to always check out the library if you feel you need additional reading materials. They are open to any order suggestions you may have.

STUDENTS WITH DISABILITIES: If you have a documented disability, the Equal Access Services office will provide me with a letter outlining your accommodation. I will then discuss accommodation with you to determine the best learning environment. If you feel that you need accommodation, but have not documented your disability, please contact Jeanne Lujan, the coordinator for Equal Access Services at 925-8910.

EQUAL OPPORTUNITY AND NON-DISCRIMINATION
In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see page 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html.

EMAIL: Be sure to check your contact information in Banner and keep it updated. UNM email as our official form of course communication. When communicating with your instructor, always include class name in the subject header.

When emailing me, in the subject of your email, please write down your course name, course number, and section number. For example, the subject of your email to me should be: **CSCI 1210-501**

You must only contact me with your UNM e-mail. Check your UNM email frequently. You are responsible for missing any announcement I send via email or posted on Canvas. Failure to identify your message with the class number and not using your UNM email will result in no response at all.

Instructor Response Time:

- The best way of contacting me will be via email (with proper subject mentioned Above).
- In all cases please, be patient and give me 24 hours to 48 hours to reach back to you.
- I will be available via email during the weekday.
- I may not be able to respond to any email on Saturday and Sunday.

Important Links:

Disabilities Policy: Office of Equal Access:

Contact the Office of Equal Access at 925-8560 to schedule an appointment.
https://valencia.unm.edu/students/advisement/equal-access-faqs.html

The Center for Academic Learning:

The Learning Center is open Monday – Friday with evening hours Monday – Thursday

To schedule an appointment or for additional information call (505)-925-8907
https://valencia.unm.edu/campus-resources/learning-commons/index.html

UNM Valencia Registrar's Office:

Contact Registration Office by calling 925-8580 http://valencia.unm.edu

UNM Deadlines & Academic Calendar:

UNM Deadlines: Academic Calendar: https://hr.unm.edu/calendars

https://registrar.unm.edu/semester-deadline-dates/index.html