

Syllabus CIS 4930 Advanced Python Fall 2017

Instructor: Dr. Ralph Tindell
Dept. of Computer Science and Engineering
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Office Hours: MTWTh, 1:00 pm -2:30 pm;
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Pre-requisite background

Required: COP 4530, Data Structures and Algorithms

Highly recommended: COP 4600, Operating Systems; and either the Networks course or the Database course.

Required Textbooks:

Python Pocket Reference, Fourth Edition, Mark Lutz, O'Reilly, 2010 (paperback only)

Course objectives

- Students will learn the fundamentals of programming in Python.
- Students will learn to use a variety of available Python modules.
- Working in small groups, students will produce a complete and substantial application that applies advanced Python tools. Most of these projects will involve networks, databases and GUIs.

Programming Assignments

Individual programming assignments will be required; a group project may be required

Exams

Two exams during the semester:

Midterm Exam 10/8, 2-4, ENA 105

Final Exam 12/2, time and location to be announced

Grading

Exams 40%, Programming assignments 25%, Group Project 35%

Programming Assignments

All submitted programming assignments will be graded in a Linux environment. If you develop your software in an integrated IDE on another platform, it is your responsibility to test your work on a Unix/Linux server like circe. Instructions on obtaining a Linux account on circe and using remote desktop to access your account may be found in the document StudentLinuxAccounts.pdf which may be found on Canvas. Python 3.6.2 will be used for program evaluation.

Communications

USF mail will be used for messages to students (your netid@mail.usf.edu). Be sure you can receive messages sent to your official USF email address; check your email regularly; don't let the backlog exceed your quota. To send email to me use rtindell@cse.usf.edu. Not through Canvas.

Standard USF Policies

Final Examinations Policy: All final examinations are to be scheduled in accordance with the University's final examination policy. See <http://www.ugs.usf.edu/policy/FinalExams.pdf>

Academic Integrity of Students: See <http://www.ugs.usf.edu/policy/AcademicIntegrityOfStudents.pdf>

Disruption of the Academic Process: See <http://www.ugs.usf.edu/policy/DisruptionOfAcademicProcess.pdf>

Gender-Based Crimes: Educators must report incidents of gender-based crimes including sexual assault, sexual harassment, stalking, dating violence and domestic violence. If a student discloses in class, in papers, or to an instructor, the instructor is required by law to report the disclosure. The Center for Victim Advocacy and Violence Prevention (813-974-5757) is a confidential resource where you can talk about such situations and receive assistance in confidence. Additional confidential resources on campus are: the Counseling Center (813-974-2831) and Student Health Services (813-974-2331).

Student Academic Grievance Procedures: See

<http://www.ugs.usf.edu/policy/StudentAcademicGrievanceProcedures.pdf>

Students with Disabilities: Students with disabilities are responsible for registering with Students with Disabilities Services (SDS) in order to receive academic accommodations. SDS encourages students to notify instructors of accommodation needs at least 5 business days prior to needing the accommodation. A letter from SDS must accompany this request. See <http://www.sds.usf.edu>

University Emergency Policy: In the event of an emergency, it may be necessary for USF to suspend normal operations. During this time, USF may opt to continue delivery of instruction through methods that include but are not limited to: Canvas, Elluminate, Skype, and email messaging and/or an alternate schedule. It's the responsibility of the student to monitor the canvas site for each class for course specific communication, and the main USF, College, and department websites, emails, and MoBull messages for important general information.