

Spring 2011

CS 340: Programming Language Workshop in Python

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CS 340 Programming Language Workshop in Python (1 Credit)

- **Instructor** : T. K. Prasad
 - **Phone No.** : (937)-775-5109
 - **Email** : t.k.prasad@wright.edu
 - **Home Page**: <http://knoesis.wright.edu/tkprasad>
 - **Quarter** : Spring 2011
 - **Office Hrs** : TTh, 3:30-4pm , 395 Joshi (or by appointment)
 - **One and Only Class** : **March 31, Thursday, 3-3:30pm, 399 Joshi**
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Course Description

This course is designed as a self-study in Python. You are expected to learn the language and solve a set of programming problems assigned to you from *Budd's text* using Python available from <http://www.python.org>. There are no exams. We officially meet only once in the quarter. However, I will be available in the posted office hours for clarifications and discussions about the programming problems.

Prerequisite

- Experience with programming in C++/Java.
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Course Text

- Timothy Budd: *Exploring Python*. McGraw-Hill, 2009, **ISBN-13**: 978-0073523378.
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Grading

Each programming assignment will be graded as *Pass/Unsatisfactory*, and the letter grade 'P' or 'U' will be assigned at the end of the course.

Course Policies

1. All work must be turned-in by **May 26, 2011**.
2. Do not expect an incomplete for any reason. Each assignment will also have a separate deadline.
3. You must pass all the assignments to pass the course. The code you turnin must be your own

creation. Copying code from available books, or cutting and pasting code from the Internet is strictly prohibited because it defeats the whole purpose of the course.

4. Each program should be well-documented and adequately tested.
5. You must turnin well-documented source code runnable using Python, a README.txt with a brief description of the program, and where applicable, sample test inputs and outputs to indicate that you have tested your code adequately, as a single zip-archive for each assignment. To turnin the i^{th} assignment (where $i = 1,2,3,4$), create the archive `asgi.zip`, and execute the following shell command on `unixapps1`:

```
csh% /common/public/tkprasad/cs340/turnin-pai asgi.zip
README.txt
```

6. You may also be required to demonstrate your code in my office hours after the due date.
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Assignments

Topic	Problems, Page No. (Budd)	Due Date
I	Basic Function Definition Chapter 3: Exercises 2, 4, 5 Pages 60-61 (For problem 5, you are not required to generate the 'day'.)	April 14
II	Arrays Chapter 4: Exercises 14, 15 Page 84	April 28
III	List Processing Chapter 7: Exercise 1 Page 123; Chapter 8: Exercises 11, 12 Page 138 (Write a driver program to instantiate and test Rectangle class.)	May 12
IV	Data Structures Chapter 18: Exercise 4 Pages 241-242 (Write a driver program to test Vector class.)	May 26

T. K. Prasad