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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://www.cs.wright.edu/~tkprasad>
 - **Quarter** : Fall 2010
 - **Office Hrs** : MW, 3-4pm , 395 Joshi (or by appointment)
 - **One and Only Class** : **September 8, Wednesday, 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 **November 3, 2010**.
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 turn in 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 turn in 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 Exercises 2, 4, 5 Pages 60-61 (For problem 5, you are not required to generate the 'day'.)	Sept 20
II	Arrays Exercises 14, 15 Page 84	Sept 29
III	List Processing Exercise 1 Page 123; Exercises 11, 12 Page 138 (Write a driver program to instantiate and test Rectangle class.)	Oct 20
IV	Data Structures Exercise 4 Pages 241-242 (Write a driver program to test Vector class.)	Nov 3

T. K. Prasad(8/24/2010)