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Fall 2007

CS 340: Programming Language Workshop in Python

Krishnaprasad Thirunarayan

Wright State University - Main Campus, t.k.prasad@wright.edu

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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 2007
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- **Office Hrs** : TTh, 3:30-4pm and 5:30-6pm (or by appointment), 395 Joshi
 - **One and Only Class** : **September 6, Thursday, 3pm-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 *Dietel et al* using Python 2.5 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

- Martelli : Python in a Nutshell, O'Reilly, 2006, ISBN 0596100469.
 - Dietel, et al: Python: How to Program. Prentice Hall, 2002, ISBN: 0130923613.
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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 **Oct 31, 2007**.
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 2.5, 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.

Assignments

| Topic | Problems, Page No. (Dietel et al) | Due Date |
|-------|---|----------|
| I | Basic Arithmetic and Data structures Exercise 4.5 Page 152 | Sept 18 |
| II | Object-Oriented Programming Exercise 7.4 Page 259 | Oct 4 |
| III | Graphics Exercises 10.3 & 10.6 Page 387 | Oct 18 |
| IV | String Processing Exercises 13.7 & 13.8 Page 461 | Oct 31 |

T. K. Prasad (08/29/2007)