Syllabus

CSCI 23300 - Programming Projects Seminar for Minors (Capstone Course)

Spring 2016 – Wednesdays from 10:10am to Noon in HN C-107

Instructor:
Felix Grezes (fg297@hunter.cuny.edu)
Office hours by appointment
Computer Science Department: HN 1008 / 212-772-5213

Goals:
There are two related goals for this course. The first is to assess the students' mastery of the department's learning goals. The second is to assess the department's effectiveness in addressing these goals. For a complete list of these goals, see: http://www.hunter.cuny.edu/csci/for-students/minoring-in-computer-science

Learning Outcomes:
1. understand the relationship between computer architectures and software systems
2. be able to implement the solution to a computing problem in a high-level programming language with a program of non-trivial size
3. be able to manipulate and query data using a relational database system
4. acquire some more advanced knowledge in an elective area.

Topics reviewed in class: Python, SQLite, TKinter, github

Textbook:
None required.

Grading:
- 10% Attendance
- 15% Weekly Written Reports
- 25% Final Project (code, tools, data)
- 25% Project Paper
- 25% Project Presentations

Course Requirements:
Project:
You are expected to independently work on a project of your own design:
- code in the Python programming language (2.7.11)
- build a SQL database and interact with it using the SQLite Python API
- create an interactive GUI using the Tkinter toolkit
- bonus points: use github for version control

Weekly Reports:
- each week, send a 150-word report on the work you did during the week.

Presentation:
You will give two in-class presentations:
- one 5-10 minute presentation to the class about the ideas, outline and goals of your project (date: Feb 24th)
- one final 10 minute presentation to the class about the project work, results and lessons, with a live demo.

Attendance Policy:
For attendance, each student is allowed five (5) absences for any reason except on days when there are presentations or exams. Absences exceeding the allowance or absence on a presentation day for any reason results in a 0.2% deduction from the attendance grade.

Academic Integrity:
Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The

college is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures. Special attention is given to CONTRACT CHEATING (this is where students have work completed on their behalf which is then submitted for academic credit).

ADA Compliance:
In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and / or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and / or Learning) consult the Office of AccessABILITY located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212772-4857)/TTY (212650 3230).

Syllabus Change Policy:
This syllabus is a guide for the course and is subject to change.