**Syllabus**

**CS 110: Introduction to Computer Science**

**Fall 2013 CRN 11566**

**INSTRUCTOR :**  Janet Brunelle

ODU Office : Engineering and Computational Sciences Building: Room 3210

ODU Phone : 757-683-7714

FAX Number : 757-683-4900

Email  : brunelle@cs.odu.edu

Home page : http://www.cs.odu.edu/~brunelle

**OFFICE HOURS**

Tuesday 1 :30 – 4 :00 PM

 Wednesday 9 :00 AM – Noon

 Thursday 1 :30 - 4 :00 PM

**COURSE LOGISTICS**

Meeting Time: Monday Noon – 12:50 PM

Course Location: Kaufman Building – Room 224

**COURSE RATIONALE**

This course is intended for freshmen Computer Science majors, and is offered as a pass/fail introduction to the profession of computer science.

**DESCRIPTION:**

This course will provide a general overview of Computer Science at Old Dominion University, to include the Department and its faculty, exciting areas of research, important university programs, and an overview of future employment opportunities. Invited CS faculty, ODU staff, and industry experts will provide students with insight into their area of specialty through presentations, written documentation, and demonstration of tools.

**GOALS and OBJECTIVES**

Goal: to gain an accurate understanding of the activities of a computer science professional.

Objectives: the students will be able to

* Get answers to Frequently Asked Questions about Computer Science
* Understand the importance of relationship networking
* Understand the value of collaborative learning and pair programming
* Understand the value of and meet potential role models

To enhance students’ ability to be successful in this University as a computer science major. The students will be able to

* Learn the importance of getting to know your peers.
* Learn how to cope with stress
* Understand the value of mentors and learn how to find them

To enhance the ability of students to locate, manage, critically evaluate, and use information for scientific problem solving and research. Students will learn methods of information retrieval from sources such as the World Wide Web, digital libraries, scientific journals and informal scientific social networking applications. Emphasis will be given to accessing information effectively and efficiently using search engines, blogs, and social networking tools. This includes evaluation, management, organization and summarization of information for specific purposes.

**OUTLINE**

* Introduction to Relationship Networking
* Frequently Asked Questions about Computer Science
* Introduction to Collaborative Learning and Pair Programming
* Introduction to Active Coping Skills
* Introduction to Role Models
* Introduction to Mentors
* Professionalism
* Research methodologies and citation methods
* Problem Solving Skills

**TEXT**

None required.

**REFERENCE**

*Study and Critical Thinking Skills in College*, Kathleen McWhorter, Fifth Edition, Addison Wesley Longman, Inc., 2003**.**

*Online Modules provided in BlackBoard for guidance on proper research and citation*

**EVALUATION**

Students will receive a grade of pass/fail.

 Pass (P) 70 and above

 Fail (F) 69 and below

 Attendance 20%

 Assignments/Surveys 70%

 Final Exam 10%

**ASSIGNMENTS/PRESENTER SUMMARIES:**

Each class meeting will present important areas of knowledge critical for success as a computer science major, or awareness of the profession you have chosen. Professional speakers are invited to talk about their computer-related work and/or their research interests. Each speaker will give a 30-minute talk, followed by student questions.

Your assignment will be to research the presentation topic, work, and/or research area utilizing a variety of research sources and methodologies (online journals, papers, company websites, …).

Each student must write a short (1 to 2 page) summary on the presentation based upon the guidelines provided by the instructor, to include proper resource references.

The report will be due one week after each speaker presentation. In addition students may attend certain public lectures held on campus that are approved by the instructor.

Reports are to be submitted through BlackBoard, and must in be MSWord (.doc) or text (.txt) format.

**COMPREHENSIVE EXAMINATION**

Some of the materials in this course will be included in the comprehensive examination all computer science majors are required to take prior to graduation.

Each student must complete and pass at or above 70 percent on a comprehensive final exam.

#