Meeting Times and Location:
Section 1: MF 10-10:50AM Roddy Hall Rm 136
            W 10-11:50AM Roddy Hall, Rm 136 or Mac Lab
Section 2: MF 2-2:50PM Roddy Hall, Rm 136
            T 1:10-3:00PM Roddy Hall, Rm 136 or Mac Lab

Office Hours: Mondays and Fridays 11am-noon and 1pm-2pm, and Wednesdays noon-1pm. During office hours I can be found either in one of the labs or in my office (Rm 133, Roddy Hall)

How to reach me: The best way to reach me outside of office hours is by email (stephanie.schwartz@millersville.edu). If you don’t have access to email, my office phone number is 871-4308. I try to check this as frequently as possible, but I don’t check it as often as I do my email!

Prerequisite: Pre or co-requisite of CSCI 362


Course Description: Introduction to the fundamental principles of programming language design, semantics, and implementation. Structure and vocabulary of modern programming languages. Programming language topics include formal semantics of programming, name binding, scope, data types, type systems, control flow, object orientation, scripting languages, functional languages, polymorphism, and concurrency. Labs and assignments will include experience in writing programs in a nonprocedural programming paradigm.

Course Outcomes:
1. Apply syntax-related concepts such as context-free grammars and parse trees.
2. Apply semantics-related concepts such as denotational mapping functions and weakest preconditions.
3. Understand and differentiate between various models for data control, scope, lifetime, and type checking of variables.
4. Analyze and apply various parameter passing techniques.
5. Explain and compare various models of run-time storage management.
6. Compare non-procedural programming paradigms to the procedural programming paradigm.
7. Design and implement programs in a non-procedural programming paradigm.
8. Distinguish between compile-time vs. run-time activities.
9. Write a technical paper on a Programming Languages topic.
10. Give an oral presentation on a Programming Languages topic.
Grading:
Exam 1: 22%
Exam 2: 22%
Final Exam: 22%
Assignments (including a paper and oral presentation): 34%
Not attending labs may result in overall grade reduction (see attendance)

Grading will be on a 100 point scale, with 93%=A, 90%= A-, 87%=B+, 83%= B, etc. You must pass all exams (collectively) with a minimum of 70% average to receive a C- in the course.

Attendance
You are expected to attend class and lab, read the textbook, complete assigned problems, participate in class discussions, and work productively during problem sessions and labs. Lab attendance is REQUIRED. Not attending a lab or leaving before completing all outstanding assignments will result in a grade reduction of 2% per class period missed.

Classroom Civility
Arrive at class promptly, prepared and ready to participate. Set your phone to silent mode and, except in cases of emergency, remain in the classroom for the duration of the meeting. If it is necessary to leave or enter a room once class has begun, do so quietly and with as little disruption as possible. Avoid talking which may be disruptive to your fellow students and professor.

Deadlines
Assignments are due at the beginning of the class period on the assigned due date, unless otherwise specified. No late assignments will be accepted. If your assignment is incomplete, turn it in for possible partial credit.

Exams
There are no make-up exams - if you miss a test, you will receive a zero. Exceptions may be made at my discretion for extraordinary circumstances or university excused absences.

Special Needs
Anyone requiring special accommodations should contact me as soon as possible.

Counseling Resources
Students sometimes face mental health or drug/alcohol challenges in their academic careers that interfere with their academic performance and goals. Millersville University is a caring community and resources are available to assist students who are dealing with problems. The Counseling Center (717-871-7821) is an important resource for both mental health and substance abuse issues. Additional resources include: Health Services (871-5250), Center for Health Education & Promotion (871-4141), Campus Ministries, and Learning Services (717-871-5554).

Course Web Site: Lots of information about the course and helpful resources can be found at the course web site: http://cs.millersville.edu/~sschwartz/courses/csci-330/

Title IX Reporting Obligations
Millersville University and its faculty are committed to assuring a safe and productive
educational environment for all students. In order to meet this commitment, comply with Title IX of the Education Amendments of 1972, 20 U.S.C. §1681, et seq., and act in accordance with guidance from the Office for Civil Rights, the University requires faculty members to report to the University’s Title IX Coordinator incidents of sexual violence shared by students. The only exceptions to the faculty member’s reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report to the person designated in the University Protection of Minors policy incidents of sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred.