CS0411 – INTRODUCTION TO COMP SCI PROGRAMMING

Spring 2022 Syllabus

INSTRUCTOR: Sandro Marchegiani
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OFFICE HOURS:
1 – 2, 3 - 4 Monday, Wednesday, Friday
Also available at other times. Email me to check.

COURSE DESCRIPTION
This course is an introduction to the concepts, techniques and tools of computer science. It is designed for those students who are intending to major in that discipline. The course is to emphasize fundamental approaches to problem analysis, algorithm development and top-down program design. In so doing, the student is to gain a thorough working knowledge of an exemplary programming language and to become thoroughly familiar with the Pitt computing environment.

OBJECTIVES
Upon completion of this course, the student will be skilled in problem analysis, algorithm development, debugging using structured, top-down programming. Topics include data typing, assignment, decisions, loops, methods and arrays.
A grade of C- is required for Computer Science majors to move on to Sophomore-level classes.

PREREQUISITES
MATH 0401 and CS0100 completed with a grade of C- or better.
CS0410 is a corequisite

TEXT
Introduction to Java Programming: Comprehensive Version, 12th Edition. Daniel Liang. Pearson, 2020.
ISBN: 978-0136520238 (bound) or 978-0136520153 (loose-leaf)

COURSE REQUIREMENTS
The requirements for CS0411 include regular class attendance, reading of text assignments, completion of assigned problems in the text or handouts, quizzes, hourly exams and a comprehensive final exam. Late assignments are due by the start of the next class and will be downgraded accordingly.

There will be approximately 6 quizzes. Quizzes cannot be made up but the worst score will be dropped.

There will be no make-up privileges on exams unless there are extenuating circumstances. You must notify your instructor if you must miss an exam before the scheduled exam or within two days after the exam is given.

PLAGIARISM

Any form of plagiarism which include copying or imitating the language, ideas, thoughts, or work of another person and passing off the same as one's own work discovered by the instructor will result in a zero for the first offense and an F for the course for any subsequent offense.

GRADING WEIGHT

Homework/Quizzes: 30%
2 Exams: 20% each
Comprehensive Final Exam: 30%

GRADING SCALE

92% - 100%	A
82% - 88%	B
72% - 78%	C
62% - 68%	D
Below 62%	F

Plus and minus grades will be awarded to scores on the borderline based on attendance, overall work, attitude.

DISABILITIES

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Health and Counseling Services, G-10 Student Union, 814-269-7119 as early as possible in the term. The Office of Health and Counseling Services will verify your disability and determine reasonable accommodations for this course.

COVID STATEMENT

During this pandemic, it is extremely important that you abide by the public health regulations , the University of Pittsburgh's health standards and guidelines, and Pitt's Health Rules. These rules have been developed to protect the health and safety of all of us. Universal face covering is required in all classrooms and in every building on campus, without exceptions, regardless of vaccination status. This means you must wear a face covering that properly covers your nose and mouth when you are in the classroom. If you do not comply, you will be asked to leave class. It is your responsibility have the required face covering when entering a university building or classroom. For the most up-to-date information and guidance, please visit coronavirus.pitt.edu and check your Pitt email for updates before each class.

If you are required to isolate or quarantine, become sick, or are unable to come to class, contact me as soon as possible to discuss arrangements.

01/2022

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Schedule

Week	Chapters	Topics
1	1	Introduction
2, 3, 4	2	Elementary Programming
5, 6	3	Selections
Exam 1		
7	4	Mathematical Functions, Characters and Strings
8, 9	5	Loops
10, 11, 12	6	Methods
Exam 2		
13	7	Single-Dimensional Arrays
14	8	Multidimensional Arrays
Final Exam		

Notes:
This schedule is provisional and subject to change.
No classes Monday January 17 (Martin Luther King Day)
No classes Monday March 7 – Friday March 11 (Spring Break)