

CSE 1340 - JTerm January 2013

Introduction to Computing Concepts

Introduction

Welcome to CSE 1340. This course will provide an introduction to the fundamental concepts of computer science, programming and object-oriented design of reusable modules. The course covers the development of algorithms to solve problems using computer programming skills. No prior computer programming experience is required to take this class.

Instructor Contact Information

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Textbook

Introduction to Programming using Java, Sixth Edition, David Eck.
(Available free online: <http://math.hws.edu/javanotes/>)

Course Work and Grading

Due to the fast-paced, short-term (non-traditional) nature of JTerm, this course will be highly interactive and hands-on. The course content will be broken into 8 half-day segments. Each segment will cover a specific topic with lecture integrated with hands-on lab work with assistance by the instructor. Feedback will be provided in real-time.

NOTE: Students are required to bring a computer to class because assignments will be completed during class sessions.

The grade will be determined with the following break-down:

Assignment	Percentage
Tests	25.00%
Programming assignments (Lab)	65.00%
Attendance and active Participation	10.00%

It is expected that each student will participate in all sessions. Additional materials may be referenced in class as needed. Assignments and due dates will be available on Blackboard. Final grades in this course are determined as follows:

93 - 100 A	80 - 82 B-	67 - 69 D+
90 - 92 A-	77 - 79 C+	63 - 66 D
87 - 89 B+	73 - 76 C	60 - 62 D-
83 - 86 B	70 - 72 C-	00 - 59 F

Tests

Two tests will be given – one at the mid-point (day 4) and one at the end (day 8). Due to the concentrated delivery of course material, students may utilize their notes and lab work when completing tests.

Programming Assignments and Labs

Labs will be assigned and completed during class sessions. It is essential that each student attend all class sessions so no lab assignments are missed. Students will complete the lab assignment during the class session.

Covered Topics and Class Outline

SESSION	TOPIC	LAB
Day 1	Introduction to Computers, Languages, and Java “Hello World”, variables, primitives, arithmetic	Lab 1
Day 2	Developing algorithms, basic problem solving Control Structures, Basic Input/Output (Keyboard)	Lab 2
Day 3	Methods Arrays & Strings	Lab 3
Day 4	Methods Test #1	n/a
Day 5	Object Oriented Programming Classes	Lab 4
Day 6	Classes ArrayList	Lab 5
Day 7	File Input/Output Searching and Sorting Algorithms	Lab 6
Day 8	Computer Science Jobs and Careers Test #2	n/a

Attendance Policy

Because of the nature of this class, attendance of and participation in lecture is of the utmost importance. Therefore, students are expected to attend class regularly. If a student is absent from class, it is that student's responsibility to make arrangements with the professor to make up any work missed or to ensure that assignments are submitted on time or early. Late assignments will not be accepted except in extreme instances. Any assignments that will be missed (including those due to university-sanctioned events) must be completed before the due date. This includes lecture exams and homework assignments. Note that five percent of the semester grade is based upon class attendance and active participation. This attendance score will be determined based attendance and active participation in both lecture and lab. **Should a student be absent from a course lecture, it is the student's responsibility to make alternative arrangements to obtain any missed lecture notes, etc.**

Academic Ethics and Collaboration

You are expected to create, edit and print your own assignments and take tests without outside assistance. All work is expected to be your own. In particular:

- You should never give or receive solutions/answers to any questions or projects or any parts or questions or projects. This includes but is not limited to source code, design documents, homework, etc.
- On-line sources can be used as references, however submitting material found online as part of your own work is unacceptable.

If you collaborate on any assignment for any reason, you will receive a 0 on the particular assignment. In severe cases, you will receive an F in the course and may be brought in front of the SMU Honor Council. It is your responsibility to know and understand the University's Honor Code and the expectations for collaboration in this course. The instructor of this course reserves the right to impose less severe penalties as seen fit.

You may not collaborate with other students on lab assignments. The only assistance permitted is from the instructor

Students who copy the work of another on an exam, quiz, or lab assignment will receive a failing grade and be subject to SMU's honor council process. PLEASE DO NOT CHEAT.

Additional Information

Disability Accommodations: Students needing academic accommodations for a disability must first be registered with Disability Accommodations & Success Strategies (DASS) to verify the disability and to establish eligibility for accommodations. Students may call 214-768-1470 or visit <http://www.smu.edu/alec/dass> to begin the process. Once registered, students should then schedule an appointment with the professor to make appropriate arrangements.

Religious Observance: Religiously observant students wishing to be absent on holidays that require missing class should notify me in writing at the beginning of the semester, and should discuss with her, in advance, acceptable ways of making up any work missed because of the absence. (See University Policy No. 1.9.)

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Excused Absences for University Extracurricular Activities: Students participating in an officially sanctioned, scheduled University extracurricular activity will be given the opportunity to make up class assignments or other graded assignments missed as a result of their participation. It is the responsibility of the student to make arrangements with me prior to any missed scheduled examination or other missed assignment for making up the work. (University Undergraduate Catalogue)