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Spring 2013

CS 1160-03: Introduction to Computer Programming I

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Spring 2013 - CS 1160 Syllabus

Course Information

Course title: Introduction to Computer Programming I (4.0 credit hours)
Course number: CS 1160 Section 03
Course discipline: Computing Sciences
Course description: CS 1160 is the first in a sequence of two programming classes. This course will introduce students to the basic concepts of programming. Examples are from business applications with an emphasis on problem solving with the computer as a tool.
Course date: January 7, 2013 through April 17, 2013
Location: 152C Russ Engineering Center
Meeting day(s): Monday & Wednesday
Meeting time(s): 4:40 till 6:30
Prerequisite(s): WSU Math Placement 03 or Undergraduate level DEV 0950 Minimum Grade of D.

Instructor Information

Name: David M. Hutchison
Email: david.hutchison@wright.edu
Office location: 152C
Office hours: Monday and Wednesday evenings after class, or as needed (by appt.)
Biography:

- B.S. Computer Science, Wright State University, 1990
- M.B.A. Project Management, Wright State University, 1995
- Sun certified Java Programmer
- Sun certified Java Developer
- Project Management Professional
- Current (Fall 2012 - Present) instructor of CS 1160
- Previous (1997-2001, 2008-2012) instructor of CS 208 and CS 209
- Instructor of various independent Java, C programming, and Oracle-related Java courses

Teaching assistants: Posted on the Pilot home page

Course Goal

Course goals: This course, in conjunction with CS 1161, is designed to help students achieve a high degree of proficiency in intermediate level programming skills.

Policies

Introduction: All course policies are subject to change.

Course Requirements

Requirements: This course assumes no prior programming experience. You are required to have a thumb drive or similar media. Although not required, a backup is highly recommended as well. Some students use email for backups - whatever works for you, but you need some type of backup! This is your responsibility.

Schedule

Schedule: The course schedule presented in Pilot is *tentative*. We will do our best to adhere to this schedule, but events beyond our control (e.g., weather) may impact the dates and content. I will do my best to not slip any exam dates.

Attendance

Policy: It is your responsibility to attend all classes – attendance will be taken and is required in order to complete the in-class assignments due most evenings. If you are not present, then you will not receive credit – no exceptions, no make-ups.

Grading Policy

Policy: Grading is on a straight 10-point increment scale. That is, >90 is an A, 80-89 is a B, 70-79 is a C, 60-69 is a D, and <60 is an F. Weights of exams, assignments, etc. are as follows:

- 50% - Exams
- 30% - Programming assignments
- 10% - Quizzes
- 10% - Participation (attendance, in-class work)

Remember, your grade is weighted - it is *not* a straight points-based computation.

Academic Dishonesty

Policy: Violators will receive an F for the course and will be reported to the university - official university policy will be followed (Click here for the policy). You are required to work individually on your programming assignments. You are permitted to exchange ideas with your peers, but you are not permitted to use someone else's work. Additionally, you may not share your work with someone else. If you choose to violate these rules, then all students involved will suffer the consequences.

Students with Disabilities

Disabilities: Any student with a disability must inform the instructor of the special accommodations needed as soon as possible. The Office of Disability Services can provide an evaluation to determine what accommodations are appropriate.

Textbook

Required reading: *Big Java Late Objects*, Cay S. Horstman, McGraw-Hill, 1 edition (February 1, 2012), 978-1118087886

Software

Software: This course uses the Java programming language and the NetBeans IDE. To install on a home PC, download the latest version of Java and NetBeans from this site: <http://www.oracle.com/technetwork/java/javase/downloads/index.html>. Click on the "Download" button under the section named "Java SE Development Kit (JDK) Cobundles". Then accept the license agreement and choose the appropriate version (e.g., Windows x86, x64, Mac OS, etc). If you need help, bring your laptop to office hours and we'll get it setup.

Java is pre-installed on Macs so you need to install NetBeans only. From <http://netbeans.org> click the "Download Free NetBeans IDE 7.2" button and then choose the "Java SE" download.

Lab Facilities

Labs: Open labs are available for your use in the Russ Engineering Center. Russ labs are open 24/7, but entrance to the building is not. Check the hours posted by the entrances to Russ for specific hours. Although you may find it convenient to work at home, make a note of these lab locations in the event that you have a problem with your personal computer (hard drive crash, etc.). Because lab facilities are so widely available at Wright State, personal computer issues are not an acceptable excuse for turning in late work.

Help Room

Help Room: The Department of Computer Science and Engineering maintains a help room, staffed by upper-level students, for students in introductory programming classes. The help room is located in Russ 308. Help room hours will be posted on the department web site once they are determined.

Exams

Exams: All students are required to take all three exams. Make-up exams are only given on a case-by-case basis. If you are unable to attend an exam, you are required to provide an acceptable and documented reason *prior* to the exam. Required documentation is at the instructor's discretion and may include, but is not limited to, armed forces letter, doctor's note, etc. A *single-sided, hand-written 3"x5" notecard* will be permitted for use during each exam and must be submitted to the instructor at the end of the exam.

Exam #1

Date: February 11, 2013

Content: Chapters 1-3.

Exam #2

Date: March 18, 2013

Content: Chapters 4-5. Although this is not a comprehensive exam, you will be required to apply programming concepts from all previous chapters.

Exam #3

Date: April 17, 2013 (note that this is on the final day of class, *not* during exam week)

Content: Chapters 6-8. Although this is not a comprehensive exam, you will be required to apply programming concepts from all previous chapters.

In-class Work

In-class work: This CS class is a new format and is a very participatory. As such, you will have short, in-class assignments due almost every class period. These will be worked individually, or in pairs. The instructor or a TA *must* check off these assignments upon completion in order to receive credit.

Points will be earned for work completed during the class period; no points will be earned if you are absent or not fully engaged in the classroom activity.

Because group work will play a significant role in classroom work, it is important that you understand and abide by the following "Norms of Cooperative Behavior" (adapted with permission from Dr. Brian Boyd's Math 345/645 syllabus):

1. Everyone has the responsibility to listen carefully and with respect to the others in the group, and to encourage all members to participate.
2. Everyone has the right to ask questions in an effort to understand the material.
 - a. Do not change your mind unless you are logically persuaded.
 - b. Do not let the majority rule unless their ideas can be justified.
3. Everyone has the responsibility to contribute to the group tasks in a timely manner.
4. Everyone has the responsibility to ask for help when needed.
5. Everyone has the responsibility to help others in the group when asked.

Programming Assignments

Assignments: There will be three programming assignments over the course of the semester. Each of these assignments is worth 50 points, each will state the required due date/time, and each will state the requirements for that assignment (e.g., provide a design, test cases, source code, etc.).

Due dates/times for projects will be posted on the course web site. Late work will be accepted up to 24 hours after the initial deadline, but will incur a 10% penalty. Work will not be accepted after the 24-hour grace period. If projects are not uploaded correctly, do not compile, or do not run in the NetBeans environment they will not be graded -- they will receive a 0. Projects that run, but are incomplete, will be given partial credit.

Quizzes

Quizzes: All quizzes are announced. These are closed book and closed note. There are no make-up opportunities for quizzes.