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CS 1161: Introduction to Computer Programming II

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Repository Citation

Starkey, V. (2013). CS 1161: Introduction to Computer Programming II. .

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**CS 1161 - Introduction to Computer Programming II
Spring 2013**

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Course description: Introduction to advanced programming concepts and techniques. Emphasis is on object-oriented programming and graphical user interfaces. Integrated lecture/lab.

Textbook: Big Java, Late Objects, Cay Horstmann, John Wiley and Sons, Inc.
ISBN 978-1-118-08788-6; **Also required:** A USB drive for storing and backing up your work.

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 at this site:

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>. Click on the NetBeans icon labeled "jdk 7u10 + NetBeans "; then choose the **Windows jdk-7u10-nb-7_2_1-windows-x64-ml.exe** download. Click on "Save" to begin the download. Once it has downloaded, double-click the file icon to install. (Note: if this doesn't install correctly, verify that you have a 64-bit operating system. To do this, choose "Computer" from the start menu, then choose "System Properties." If you do NOT have 64-bit listed, try the Windows jdk-7u10-nb-7_2_1-windows-i586-ml.exe download.) **To install on a Mac:** Java is pre-installed on Macs so you need to install NetBeans only. From <http://netbeans.org> click the "Download" button beneath the NetBeans IDE 7.2 logo, then choose the "Java SE" download.

Pilot/campus email: <http://pilot.wright.edu> Pilot will be used in this course for submitting projects and for accessing course materials and grades. It is the student's responsibility to check the Pilot site, as well as his/her WSU email, for course announcements, updates to project requirements, etc.

Lab Facilities: Open labs are available for your use in the Russ Engineering Center (rooms 152B and 152D). 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, inability to print, 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: 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 course web site once they are determined.

Students with 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.

Attendance and Grading Policies

Attendance/Classroom work: Graded in-class activities (labs) will make up 10% of your overall course grade. **Lab work must be turned in at the end of each class session. There is no make-up work allowed.** The lab work will be intense and at times fast-paced. To be successful in lab, students will need to prepare ahead of time by reading the textbook, answering self-check questions, and working some problems there.

Projects: Four (4) programming projects will be assigned during the semester. 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.

Exams: Three exams will be given. The exam format will be approximately 1/2 multiple choice and 1/2 coding. Normally, **makeup exams will not be given.** However, there are two exceptions: (1) the student has an extremely important, binding engagement the same time as the exam. In this case, the student must make arrangements with the instructor to take the exam **before** the scheduled time. (2) The student has an extreme illness or emergency that prevents him/her from taking the exam. In this case, the student must contact the instructor within 24 hours of the exam time to arrange a make-up, and the student must be able to provide documentation of the illness/emergency. Exams are closed book, closed notes, no computer. However, one 3" x 5" note card may be used for each exam. Information on the card may be handwritten or printed; both sides may be used.

Grading: The course grade will be calculated by weighting the various graded components of the course as given below. The grading scale is [90-100] A; [80-90) B; [70-80) C; [60-69) D; [0-60) F.

In-class work (labs): 10%

Programming project (10% each): 40%

Exams (equally weighted): 50%

Academic misconduct: The university policy on academic misconduct will be followed in cases where academic dishonesty is suspected. This policy can be found at <http://www.wright.edu/students/judicial/integrity.html>