Text Book


Safari (free for UC students)
http://proquest.safaribooksonline.com/

Access through the UC VPN from off campus:
http://www.libraries.uc.edu/information/sslvpn.html

Lynda (free for UC students)

Use your UC credentials to log in. The VPN is not needed.

More Free Stuff

http://www.learnjavaonline.org
https://www.codecademy.com/learn/learn-java

Instructor: Bill Nicholson
nicholdw@ucmail.uc.edu

Office: West Woods 250.24 or Snyder 272N if I get moved. Stay tuned.
Phone: (513) 558-5342 (email is preferable over phone)

Office Hours: Refer to web site or by appointment on West Campus
Web Site: http://homepages.uc.edu/~nicholdw/

Course Description:
This course provides students with exposure to software application development, using Oracle’s Java language and the Eclipse development platform. It is the goal of this course to provide students with a firm foundation in applications development and the necessary skills to design and develop application systems.

Course Objectives:
At the end of this course, you should know how to program a computer to accomplish a task. You should be able to read a problem statement, break it into smaller tasks and write pseudo code for each task without the use of a computer. Simple pseudo code statements can be written as Java code without a computer. To do this, you will need to know how to use variables, types,
objects, comparisons, loops, data structures, and arrays. You will be able to write a class, create an algorithm, read existing Java code and understand what it does.

**Motivation:** The Java programming language is used to develop software for a wide variety of applications and devices. Information Systems professionals need a thorough understanding of Java programming order to be productive in their jobs.

**Instructional Methods:** The class will be a combination of lectures, examples and class discussions. Your participation is not only requested but is necessary to provide effective class sessions. Multimedia support of lectures will demonstrate the use of computers in presentations. If you have a question, please ask it. It is likely that someone else is thinking the same thing.

**Course Communication:**
University policy requires that the email set up in Blackboard is the primary means of communication. It is advisable that you use your UC email for this purpose and that you check it often. If you choose to change your email in Blackboard to a non-UC email it is your responsibility to check it frequently. Please see the Student Email Policy for more information: [http://www.uc.edu/content/dam/uc/infosec/docs/general/Policy_StudentEmail.pdf](http://www.uc.edu/content/dam/uc/infosec/docs/general/Policy_StudentEmail.pdf).

**Required Lab Material**
- Flash drive
- Other items as announced in class
- A development platform for writing Java programs in Eclipse.
  Implementing/supporting this platform is your responsibility:
  “I can’t get Eclipse to work” is not an excuse.

**Attendance and Participation:** Class attendance is expected and also in your best interest. Attendance may be taken during each class period. Please note that I reserve the right to introduce topics during class that may not be covered in the text. You will be responsible for those topics. I may post PowerPoint slides and supplemental course documents before each class meeting. Grades will also be posted on Blackboard. Please check your grades on Blackboard before asking about them in class.

If you plan to come to class, **be on time**. If you walk in the door at 9:30 AM you are already late. Be prepared to begin at 9:30 AM.

I may ask you to drop the class if you exhibit chronic (in my opinion) attendance issues.

**Grading:**
- Homework, quizzes, lab exercises, in-class assignments 60%
- Midterm Exam #1 10%
- Midterm Exam #2 10%
- Final Exam (cumulative) 20%
  
  Homework is due before the start of class, uploaded to Blackboard, one week after assignment, unless otherwise specified.

In-class assignments and quizzes, if any, are due on the day they are given.
No make-ups will be given for in-class assignments and quizzes.
There will be no curving of grades. Each student will be assigned the grade earned.
Letter grades will be distributed as follows. Final grades will not be rounded.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Grade &gt;= 90</td>
</tr>
<tr>
<td>B+</td>
<td>87 &lt;= Grade &lt; 90</td>
</tr>
<tr>
<td>B</td>
<td>80 &lt;= Grade &lt; 87</td>
</tr>
<tr>
<td>C+</td>
<td>77 &lt;= Grade &lt; 80</td>
</tr>
<tr>
<td>C</td>
<td>70 &lt;= Grade &lt; 77</td>
</tr>
<tr>
<td>D+</td>
<td>67 &lt;= Grade &lt; 70</td>
</tr>
<tr>
<td>D</td>
<td>60 &lt;= Grade &lt; 67</td>
</tr>
<tr>
<td>F</td>
<td>Grade &lt; 60</td>
</tr>
</tbody>
</table>

Unless otherwise specified, each homework and lab is due on Blackboard in a single ‘zipped’ file one week from the assigned date. Assignments submitted incorrectly will not be graded. Due dates and deadlines are firm: a 10% penalty is assessed each day for late submissions. All graded events are individual projects unless otherwise specified. All calendar days, Saturdays, Sundays, holidays count as part of lateness.

**Academic Integrity:** As with all Lindner College of Business efforts, in this course you will be held to the highest ethical standards, critical to building character. Ensuring your integrity is vital and ultimately is your responsibility. To help ensure the alignments of incentives, the Lindner College of Business has implemented a “Two Strikes Policy” regarding Academic Integrity that supplements the UC Student Code of Conduct (see: http://www.uc.edu/conduct/Code_of_Conduct.html)

- All academic programs at the Lindner College of Business use this “Two Strikes Policy”;
- All cases of academic misconduct (e.g., copying other students assignments, failure to adequately cite or reference, cheating, plagiarism, falsification, etc.) will be formally reported by faculty;
- Students will be afforded due process for allegations as outlined in the policy.

Always cite your sources and credit your collaborators. Unless otherwise specified, assume all assignments, exams, quizzes, and labs are individual projects.

**Incompletes:** I will assign a grade of “I” (Incomplete) only in extreme circumstances where the student clearly intended to complete all requirements of the course but could not do so due to serious extenuating circumstances. The student should have completed more than 50% of the work and should have a passing grade. Incompletes are only considered when the student keeps me informed of the extreme circumstances and can demonstrate in writing the justification for special consideration.

**Grade Revisions:**
If you think an error has been made in computing your homework or exam grade, you should appeal the grade within one week after the work has been graded. Each week you should check the grades posted on Blackboard to see that your grades have been recorded correctly.

**Blackboard Computations:**
Blackboard maintains a “Weighted Total” field on your My Grades page. This field ignores all items that do not have a grade assigned. For example, assume you turn in Assignments #1, #2, #3, earn 100% on each, then stop turning in stuff because your Pokemon Gym is under attack. Blackboard will continue to display your Weighted Total grade as 100%. Obviously this can be misleading. At the end of the semester I will manually enter a 0 for all your delinquent grades in order to accurately compute your final grade. Bottom line: you are responsible for knowing your grades and how each is computed.

**Final Grades:**
When your final grade is calculated and posted, that grade will be final. All factors will have been considered and accounted for in that grade. No extra credit or makeup work will be given. An Incomplete or “I” grade will only be given in truly exceptional circumstances which occur after the course drop date occurs.

**Classroom Decorum:** In the interest of minimizing distractions for the entire population (including the professor), phones should not be visible during the times that class is in session. Phones and all other electronic communication devices must be set to silent (no sound, no vibrate) or set to Airplane Mode in the classroom. You are welcome to use these devices outside the classroom during breaks. Do not use the Internet unless asked to do so within the context of the course. When class is in session, refrain from email, gaming, web browsing, and other online activities that are not related to the course unless you are shopping for the instructor’s birthday present. I reserve the right to ask anyone flaunting these rules to leave the class immediately.

**Disability:** Students with disabilities who need academic accommodations or other specialized services while attending the University of Cincinnati will receive reasonable accommodations to meet their individual needs as well as advocacy assistance on disability-related issues. It is the responsibility of the student to self-identify at the Disability Services Office. Students requiring special accommodation must register with the Disability Services Office. [http://www.uc.edu/sas/disability](http://www.uc.edu/sas/disability).

**Data Redundancy:** I highly recommend storing your assignments on a network accessible location (e.g. Dropbox, UCFileSpace, Git Repository, etc.) If something happens to your laptop, you will still be able to turn in your homework on time. “The computer ate my homework” is not a valid excuse for a late assignment.

**Exams:** Unless otherwise announced, Exams will be in-class, open-book, open-notes. No laptops, no tablets, no cellphones, no fitbits, no smartwatches, no VR, no 3D glasses, no Bluetooth-enabled piercings, no hyper intelligent helper monkeys. Makeup exams will not be given unless prior written notice has been received and approved by me.

**Prerequisites / Co-requisites:** As defined in the IS curriculum. Refer to Catalyst, your IS curriculum, or your IS academic adviser for more information. I do not enforce pre-requisites: it is your responsibility to ensure you are prepared to take this class.
Always know where you are on the **Pyramid**: No one will pay you to be at the bottom, unless you have a 42” vertical and a 4.25 40-time.  
http://ww2.odu.edu/educ/roverbau/Bloom/blooms_taxonomy.htm

**Syllabus Changes:** Changes in the syllabus such as scheduling or topics covered may occur during the course of the semester. These changes will be announced in class and/or posted on Blackboard in the Announcements section.

**Common Sense:** Be on time, stay current, participate in class, ask for help, keep me informed of any issues or problems.

---

**Figure 1 Bloom’s Taxonomy**

<table>
<thead>
<tr>
<th>Week(s)</th>
<th>Topic</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1 8/23</td>
<td>Introduction, Problem Solving, Pseudo Code</td>
<td>1</td>
</tr>
<tr>
<td>Week 2 8/30</td>
<td>Eclipse, Types, Objects, Classes</td>
<td>2</td>
</tr>
<tr>
<td>Week 3 9/6</td>
<td>Conditionals, Loops</td>
<td>3</td>
</tr>
<tr>
<td>Week 4 9/13</td>
<td>Classes</td>
<td>4,5</td>
</tr>
<tr>
<td>Week 5 9/20</td>
<td>Arrays and the ArrayList class</td>
<td>6, 14</td>
</tr>
<tr>
<td>Week 6 9/27</td>
<td>Inheritance</td>
<td>7</td>
</tr>
<tr>
<td>Week 7 10/4</td>
<td>Exam #1</td>
<td></td>
</tr>
<tr>
<td>Week 8</td>
<td>Polymorphism, Abstract Classes</td>
<td>8</td>
</tr>
<tr>
<td>Date</td>
<td>Topic</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>10/11</td>
<td>Fall Reading Days Thursday - Friday, October 15 – 16 Exceptions</td>
<td></td>
</tr>
<tr>
<td>Week 9 10/18</td>
<td>File I/O</td>
<td></td>
</tr>
<tr>
<td>Week 10 10/25</td>
<td>Recursion, UML and Patterns</td>
<td></td>
</tr>
<tr>
<td>Week 11 11/1</td>
<td>Exam #2</td>
<td></td>
</tr>
<tr>
<td>Week 12 11/8</td>
<td>Interfaces and Inner Classes</td>
<td></td>
</tr>
<tr>
<td>Week 13 11/15</td>
<td>Generics, Linked Data Structures</td>
<td></td>
</tr>
<tr>
<td>Week 14 11/22</td>
<td>Swing UI</td>
<td></td>
</tr>
<tr>
<td>Week 15 11/29</td>
<td>Final Exam Tuesday, December 6, 8:00 - 10:00 a.m.</td>
<td></td>
</tr>
</tbody>
</table>

[http://www.uc.edu/registrar/calendars/academic_calendar_15161.html](http://www.uc.edu/registrar/calendars/academic_calendar_15161.html)  