1 Course Details

1.1 Course Description
In-depth treatment of computer programming using JAVA. Problems related to a variety of disciplines are solved. Introduces the basic concepts of software and hardware; students will develop a variety of stand-alone applications and applets. For non-CISE majors only.

1.2 Prerequisite
MAC 1147 or the equivalent.

1.3 TextBook
No textbook is required. However you may use the following or any other Java book for your reference. I will provide copies of any relevant HW problems from the book.
1. Introduction to Java Programming, Y. Daniel Liang, 10th ed., Prentice Hall, 2016. [You can grab the older/newer editions also].

1.4 Canvas
We will be using Canvas for almost everything related to class.

Note: There could be changes to the syllabus given the unforeseen circumstances.
1.5 Course Overview

While the exact schedule and ordering of topics within this course are subject to change, the following should serve well as a rough topical overview of what we will examine during this course:

- The computer perspective
- Understanding code
- Variables
- Arrays
- Functions
- If-else statements
- For loops + while loops
- Switch-case statements
- Value types vs Reference types (reference mechanics)
- Functions/Methods
- Object orientation
- Error handling
- Recursion
- File input/output
2 Grading

2.1 Grading Scheme

<table>
<thead>
<tr>
<th>Part</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes (Highest 10)</td>
<td>30</td>
</tr>
<tr>
<td>Homeworks (6)</td>
<td>30</td>
</tr>
<tr>
<td>Midterm I</td>
<td>20</td>
</tr>
<tr>
<td>Final Exam (comprehensive) or Mid-term II</td>
<td>20</td>
</tr>
</tbody>
</table>

2.2 Letter Grade Distribution

The grading system will, at its harshest, be as follows:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Min % required</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>94.0</td>
</tr>
<tr>
<td>A-</td>
<td>90.0</td>
</tr>
<tr>
<td>B+</td>
<td>87.0</td>
</tr>
<tr>
<td>B</td>
<td>84.0</td>
</tr>
<tr>
<td>B-</td>
<td>80.0</td>
</tr>
<tr>
<td>C+</td>
<td>77.0</td>
</tr>
<tr>
<td>C</td>
<td>74.0</td>
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<tr>
<td>C-</td>
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<tr>
<td>D+</td>
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<tr>
<td>D</td>
<td>64.0</td>
</tr>
<tr>
<td>D-</td>
<td>61.0</td>
</tr>
</tbody>
</table>

A C- will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx.

2.3 Quizzes

Quiz every Friday in class. Each quiz is worth 3 points. See the tentative calendar for more information on dates. The top 10 (in points) will only taken into consideration during the grading.

2.4 Homework

Homeworks will be assigned throughout the semester at an approximate average of once every two weeks. Unless otherwise specified, all homeworks are to be done individually. Any electronic components of assigned homeworks and projects will be turned in on the canvas site. Be aware that homeworks involving coding will look for the following criteria:

- Good commenting
- Coherent, well-written code
• Adherence to homework guidelines: Any method signatures given as part of a homework specification must be followed precisely.

• Code that compiles and runs without issues. If it fails at compilation, it is a straight zero.

• As this is a coding class, we will be looking for a working program.

2.5 Exams

There will be 3 exams.

• Midterm I (February 15th, 2016): Will cover the topics covered until the exam date.

• Midterm II (April 4th, 2016) or Final (TBD): Midterm II will cover the topics until the exam date excluding the ones covered in Midterm I. The final exam will be a comprehensive exam covering all the topics covered in the course. Only the highest grade between the Final and Midterm II will be considered while calculating the grade.

2.6 Regrading

Re-grades may be requested on any homework, or midterm exam up to one week after the grades are made available, or up to the date of the final exam, whichever is earlier. The reason for the re-grade should be formally presented in written or email form, as it will not always be possible to process your request immediately. (Office hours are the best time to interact with the instructor or a TA regarding a regrade request, although in times of high demand, this cannot be guaranteed.) Be aware that a re-grade could result in loss of points if a re-examination of the work in question finds that too many points were awarded the first time, though this is unlikely.

2.7 Late Submission

Late submission is not allowed.
3 Course Policies

3.1 Electronic Devices
Students must bring their laptops to the class to answer quizzes. Unless otherwise permitted by the instructor, please keep other devices turned off during classroom activities.

3.2 Missed Lectures
It is the students responsibility to be as current as possible with the course material at any given time. Students should contact others in the course to obtain necessary notes and should visit the instructor and/or the TA(s) during office hours as time permits.

3.3 Makeup Exams
No makeup exams will be given unless there are extenuating circumstances, such as a significant illness, family emergency, or the wedding of a relative. If possible, please notify the instructor at least two weeks BEFORE an exam will be missed. Please submit written or printed documentation of the reason for your absence, regardless of whether the instructor has been notified. (Bring a doctors note, wedding program, or the like.)

3.4 Practice Exams
No practice exams.

3.5 Honesty Policy
For student conduct and honor code, please refer to https://www.dso.ufl.edu/scer/process/student-conduct-honor-code/.

3.6 Fine Print

- Accommodation for Students with Disabilities Students Requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

- UF Counseling Services Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
  - University Counseling Center, 301 Peabody Hall, 392-1575, Personal and Career Counseling.
  - SHCC mental Health, Student Health Care Center, 392-1171, Personal and Counseling.
  - Center for Sexual Assault/Abuse Recovery and Education (CARE), Student Health Care Center, 392-1161, sexual assault counseling.
  - Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.
Software Use  All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.