Course Syllabus

Spring 2013
CS 2302/01 – Programming Principles II
(10:00 am - 11:50 am, M/W/F), Clendenin Building #2005
Instructor: Selena He

Course Title
Programming Principles II (CS 2302)

Course Description
An extension of CS 2301 that covers more advanced object-oriented programming concepts

Prerequisites
CS 2301, grade of C or better

Instructor
Selena He
Phone: 770-423-6039
Email: jhe4@kennesaw.edu
Home page: http://cs.kennesaw.edu/she/2013Spring/cs2302
Office Hours: M, W 4:00 p.m–5:00 p.m. and by appointment

Resources
The textbooks and materials will be used to support the learning outcomes for this course, through readings, examples, and exercises.

There are two required textbooks in the course

   Introduction to Java Programming, Comprehensive Version by Y. Daniel Liang
   Android for Programmers: An App-Driven Approach (Deitel Developer Series) by Paul J. Deitel, Harvey M. Deitel, Abbey Deitel and Michael Morgano

Various other online resources will be suggested as appropriate.

Here is the standard software development and testing setup:
Topics

1. Arrays
2. Objects & Classes
3. Strings
4. Thinking in Objects: Inheritance, Polymorphism
5. Objected-Oriented design
6. Exception handling
7. Abstract classes and interfaces
8. Android basics and Android applications
9. Android games and graphics

Learning Outcomes

After successful completion of this course, a student should:

- Understand the basic principles of object-oriented programming, including inheritance and polymorphism
- Understand both the "program driven" and "event-driven" approaches to user interaction, including the relationship between event-driven programs and Graphical User Interfaces
- Understand the fundamentals of exception handling
- Be able to design and implement algorithms utilizing the principles of object-oriented programming to solve elementary problems
- Be able to follow specified style guidelines in writing programs, and understand how the guidelines enhance readability and promote correctness in programs
- Be able to edit, compile, debug and run moderate sized programs in a specific programming language

The programming language to be used in CS 2302 is Java.

Grading

Lab assignments, homework, quizzes and exams will be given numerical scores. These scores will be averaged at the end of the semester using the following weighting:

1) 2 exams, worth 20% each
2) A final exam, worth 20%
3) Lab assignments, 20%
4) Quizzes and homework, 20%

Assignment/Homework Submission: Assignments must be turned in by the first 10 minutes of the class by the due date; otherwise, your submission will be considered late.
Late submission penalty: is 20% and the assignment must be turned in by the start of the first class after the due date. No assignments will be accepted after that class. Letter grades will be determined by ranking the numerical averages of all students in the class. Cut-off points for grades will depend on the performance of the class as a whole; however, they will be no higher than 90 (A), 80 (B), 70 (C), and 60 (D).

Your final weight average is the minimum of your Total Weight Average (TWA) and your In-class Weight Average (IWA).

**Example 1:** If you make:
18% on exam #1 
15% on exam #2 
20% on final exam 
8 % on lab assignments 
20% total on all quizzes and homework.
Your TWA = \(((18 + 15 + 20 + 8 + 20) * 100) / 100 = 81\% (A)\) 
Your IWA = \(((18 + 15 + 20 + 8) * 100) / 80 = 76.25\% (B)\) 
Your final weight average = min(TWA, IWA) = min(81\%, 76.25\%) = 76.25\% (B)

**Example 2:** if you make:
18% on exam #1 
15% on exam #2 
20% on final exam 
8 % on lab assignments 
0% total on all quizzes and homework.
Your TWA = \(((18 + 15 + 20 + 8 + 0) * 100) / 100 = 61\% (C)\) 
Your IWA = \(((18 + 15 + 20 + 8) * 100) / 80 = 76.25\% (B)\) 
Your final weight average = min(TWA, IWA) = min(61\%, 76.25\%) = 61\% (C)

Your final weight average will be used to determine your final letter grade using the table below:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90% and above</td>
</tr>
<tr>
<td>B</td>
<td>80% thru 89%</td>
</tr>
<tr>
<td>C</td>
<td>70% thru 79%</td>
</tr>
<tr>
<td>D</td>
<td>60% thru 69%</td>
</tr>
<tr>
<td>F</td>
<td>less than 60%</td>
</tr>
</tbody>
</table>

**Attendance**

Regular attendance is expected; please notify me in advance if you will be unable to attend because of business travel or other valid reason. Although the grading policy does not take attendance into account, failing to attend may adversely affect your grade, since exams will cover material discussed in class as well as in the assigned readings; also, hints related to the assignments will be given in class.

**Withdrawal Policy**

The last day to withdraw without academic penalty is March 13, 2013. Ceasing to attend class or oral notice thereof DOES NOT constitute official withdrawal from the course. Students who simply stop attending classes without officially withdrawing usually are assigned failing grades. Students wishing to withdraw after the scheduled change period (add/drop) must obtain and complete a withdrawal form from the Academic Services Department in the Registrar’s Office.

**Enrollment Policy**
Only those students who are enrolled in the class may attend lectures, receive assignments, take quizzes and exams, and receive a grade in the class. If a student is administratively withdrawn from this course, they will not be permitted to attend class nor will they receive any grade for the class.

Electronic Devices

In order to minimize the level of distraction, all beepers and cellular phones must be on quite mode during class meeting times. Students who wish to use a computer/PDA for note taking need prior approval of the instructor since key clicks and other noises can distract other students. Recording of lectures by any method requires prior approval of the instructor. Students using a laptop in class should not check their e-mail, browse the web, or in any other way detract from the focus of the class.

Classroom Behavior

Students are reminded to conduct themselves in accordance with the Student Code of Conduct, as published in the Undergraduate and Graduate Catalogs. Every KSU student is responsible for upholding the provision. For more details, refer to the KSU Student Code of Conduct, Section III. Students who are in violation of this policy will be asked to leave the classroom and may be subject to disciplinary action by the University.

Assistance Outside of Class

You may seek assistance outside of class from the instructor.

When you seek help it is important that you bring the necessary materials with you so that we can effectively advise you. If you are seeking help with classroom work bring your text and your classroom notes. If you are seeking help with pencil and paper exercises bring your text, your classroom notes, and whatever attempts you have made with the exercises.

If you are seeking help with a program make sure you bring a diskette or flash drive with the most current versions of all *.java files. Bring paper listings of these files. If you were getting error messages, record them as accurately as you can.

Again, bring your most current versions of your work. The ability to help you is GREATLY reduced without the current versions.

Student Course Evaluation

A standard questionnaire (described below) will be administered during the last two weeks of the semester in all classes. Additional questions developed by the college or instructor(s) may be included as well. It is important that each student provide meaningful feedback to the instructor(s) so that changes can be made in the course to continually improve its effectiveness. We value student feedback about the course, our teaching styles, and course materials, so as to improve our teaching and your learning.
At a minimum, the following two questions will be asked: 1) Identify the aspects of the course that most contributed to your learning (include examples of specific materials, exercises and/or the faculty member’s approach to teaching and mentoring), and 2) Identify the aspects of the course, if any, that might be improved (include examples of specific materials, exercises and/or the faculty member’s approach to teaching and mentoring).

**Acquiring Final Grades**

In an effort to better utilize our technology resources, Kennesaw State University has instituted the reporting of end of term grades by phone. This is in addition to the web version of grades, which has been in effect for several terms. Students may call 770-420-4315 and select Option Number 4 to secure their end of term grades. With this new development, printed grade reports will not be mailed at the end of the term. Students needing verification of grades or enrollment should request either an official transcript or an enrollment verification through the Office of the Registrar.

**Academic Integrity Statement**

Every KSU student is responsible for upholding the provisions of the Student Code of Conduct, as published in the Undergraduate and Graduate Catalogs. Section II of the Student Code of Conduct addresses the University’s policy on academic honesty, including provisions regarding plagiarism and cheating, unauthorized access to University materials, misrepresentation/falsification of University records or academic work, malicious removal, retention, or destruction of library materials, malicious/intentional misuse of computer facilities and/or services, and misuse of student identification cards. Incidents of alleged academic misconduct will be handled through the established procedures of the University Judiciary Program, which includes either an "informal" resolution by a faculty member, resulting in a grade adjustment, or a formal hearing procedure, which may subject a student to the Code of Conduct’s minimum one semester suspension requirement.

Each student must fill out an "Acknowledgment and Acceptance of Academic Integrity Statement". These forms are available online in HTML or PDF format. Print one of these, complete the requested information, sign the form and hand it in to your instructor.

Students are encouraged to study together and to work together on class assignments and lab exercises; however, the provisions of the STUDENT CONDUCT REGULATIONS, II. Academic Honesty, KSC Undergraduate Catalog will be strictly enforced in this class.

Frequently students will be provided with "take-home" exams or exercises. It is the student’s responsibility to ensure they fully understand to what extent they may collaborate or discuss content with other students. No exam work may be performed with the assistance of others or outside material unless specifically instructed as permissible. If an exam or assignment is designated as ‘no outside assistance’ this includes, but is not limited to, peers, books, publications, the Internet and the WWW. If a student is instructed to provide citations for sources, proper use of citation support is expected. Additional information can be found at the following locations.
http://www.apa.org/journals/webref.html
http://www.lib.duke.edu/libguide/citing.htm
http://bailiwick.lib.uiowa.edu/journalism/cite.html
http://www.cas.usf.edu/english/walker/papers/copyright/ipdummie.html
http://www.indiana.edu/~wts/wts/plagiarism.html
http://plagiarism.phys.virginia.edu/links.html
http://www.arts.ubc.ca/doa/plagiarism.htm
http://alexia.lis.uiuc.edu/~ejanicke/plagiar.htm
http://webster.commnet.edu/mla/plagiarism.htm
http://www.virtualsalt.com/antiplag.htm
http://www.engr.washington.edu/~tc231/course_info/plagiarism.html
http://quarles.unbc.edu/lsc/rpplagia.html

Disclaimer

The course syllabus provides a general plan for the course; deviations may be necessary