COURSE SYLLABUS

Semester: Spring 2012

Course Prefix/Number: COP2253

Course Title: Java Programming

Course Credit Hours: 3.0

Instructor and Contact Information:
Mr. Chris Alvin
Email: calvin@uwf.edu (Include COP2253--Java in the Subject Line)

Office Hours: There will be no physical office hours unless scheduled.
Virtual Office Hours: (via Elluminate) TBA based on class consensus. Posted on elearning during the second week of classes.

Course Web Site: elearning.uwf.edu

Prerequisites or Co-requisites: none

Course Description:
Introduction to algorithms and object-oriented programming using Java. Emphasizes developing fundamental programming skills and software engineering principles in the context of an object-oriented language.

Student Learning Outcomes:
Upon completion of the course, students will be able to:

1. Use the constructs of the Java programming language as building blocks to develop correct, coherent programs.

2. Analyze problems, develop object-oriented designs that solve those problems, and transform those designs to Java programs.

3. Understand the fundamentals of object-oriented programming using the Java programming language.

4. Program using the fundamental software development process, including design, coding, documentation, testing, and debugging.

Topics Covered:

Topics include Java language fundamentals, object-oriented design and development, the Unified Modeling Language (UML), abstraction, encapsulation, class design, data types,
methods, parameter passing, introduction to graphics and applets, selection constructs, repetition constructs, arrays, documentation, testing, and debugging.

**Required Textbook(s):**
[Textbook’s companion site](http://java.sun.com/)

**Additional Textbook(s):** none

**References:**

1. Sun’s Java site: http://java.sun.com/
2. Java Software Development Kit and Documentation:
   http://developers.sun.com/downloads/(JDK 5.0 or above)
3. JGRASP Development Environment:

**Grading:**
1. Programming Assignments  30%
2. Mid-Term Exams  25% (12.5% each)
3. Comprehensive Final  30%
4. Work Shop Assignments 15%

The overall grading scale is :

A : 92 - 100  
A- : 89 - 91  
B+: 87 - 88  
B : 82 - 86  
B- : 79 - 81  
C+: 77 - 78  
C : 72 - 76  
C-: 70-71  
D+: 67-68  
D: 59-66  
F: 0-58

NOTE: An "I" grade will not be given unless at least 70% of the course work is completed and must be approved by the Department Chair. A "WF" Grade will be given after the Withdraw deadline which is exactly the same as "F". Last Day of Automatic Withdraw is 20 Mar 09

**Technology Requirements:**

All programming projects will require using the Java development environment. This
environment is available in the SAIL lab in building 79. This environment is available in the eDesktop on Argus Software tab or you may download and use it on your personal computer. You will be given instructions on getting started with the Java environment.

**Expectations for Academic Conduct/Plagiarism Policy:**

As members of the University of West Florida, we commit ourselves to honesty. As we strive for excellence in performance, integrity—personal and institutional—is our most precious asset. Honesty in our academic work is vital, and we will not knowingly act in ways which erode that integrity. Accordingly, we pledge not to cheat, nor to tolerate cheating, nor to plagiarize the work of others. We pledge to share community resources in ways that are responsible and that comply with established policies of fairness. Cooperation and competition are means to high achievement and are encouraged. Indeed, cooperation is expected unless our directive is to individual performance. We will compete constructively and professionally for the purpose of stimulating high performance standards. Finally, we accept adherence to this set of expectations for academic conduct as a condition of membership in the UWF academic community.

Any occurrence of academic dishonesty, including all forms of cheating and plagiarism, will be punished by a range of punishments from a grade of zero on the assignment to expulsion from the university. For more information, see the UWF Student Handbook (http://www.uwf.edu/uwfmain/stuHandbk/).

**Assistance:**

Students with special needs who require specific examination-related or other course-related accommodations should contact the UWF Office of Disabled Students Services (http://www.uwf.edu/DSS/ or tel. 850-474-2387). DSS will provide the student with a letter for the instructor that will specify any recommended accommodations.

**Other Course Policies:**

Course programming assignments, announcements, lecture overheads, discussion facilities, etc. will be available using the UWF's elearning system for course delivery. If you have not already done so, you will need to activate your Argus account to access these resources. Use the Discussion log on this web site to submit question and problems. It is the fastest way to get help. Any other student or instructor may answer your question.

Programming can only be learned by doing, and students need to work extensively on programming assignments or they will not do well in this course. You should expect to spend 9 to 12 hours per week doing programming work. All work will be done in the Java environment. You may find it convenient to use a PC at home for program development, but you must ensure that your program runs successfully the current Java programming language.

**Late Policy:**

1. You are expected to complete work on schedule. Deadlines are part of the real world
environment you are being prepared for.
2. It is the responsibility of the student to make prior arrangements with the instructor concerning missed assignments.
3. Documentation of health or family problems may be required.
4. If you have to miss a class, be sure you arrange with another student to find out what you missed at the earliest possible date.
5. Late Programming Assignments will not be accepted.

Additional Information on Late Assignments:
The lowest workshop and lowest programming project grade will be dropped prior to calculating final GPA. In addition, at the end of the term I will have an extra optional programming assignment that can be substituted for a missing or low workshop or programming project grade. Therefore, although not recommended since the programs help prepare for exams, you can miss an assignment or two it will not affect your final grade. However, because of this policy, I will not accept any late assignments for any reason (computer malfunction, internet connection failure, job, medical problem etc). In addition, all assignments must be uploaded to the specified elearning dropbox, emailed assignments will not be accepted.

Exams: Makeup exams will NOT be given except with a serious, documented medical or legal excuse. No makeup will be given unless students make advance arrangements. The final exam is comprehensive. You may have noticed that the exams are weighted heavily in relationship to the programming assignments. This is by design. Assistance, resources and time are plentiful for the programming assignments; however, you are on your own during the exams, so the exams are a true test of your understanding of the material. Therefore, you must prepare extensively for the exams or there will be a significant difference between your programming grades and your exam grades. The final exam will be taken at UWF main campus on Saturday April 25 at 8:30am in building 58A, room 101.

Re-grading Assignments: It is the student’s responsibility to check graded assignments when they are returned to you. I will gladly re-grade an assignment when a question or mistake is brought to my attention. To ensure fairness, I reserve the right to re-grade the entire assignment. As a result, your grade may increase, decrease, or remain the same. Grades will not be changed after two weeks from the date graded assignments are returned to the class. A Graduate Assistant (GA) may grade the assignment; please feel free to contact the instructor if you have question or need more extensive feedback related to an assignment.

Participation and Feedback: I encourage active participation and regular feedback. I believe that effective communication between the instructor and students will make the course more useful, interesting, and productive. Please contact me if you have any questions, concerns, or suggestions!

Important Note: Any changes to the syllabus or schedule made during the semester take precedence over this version. Check the course website regularly for up-to-date information. I reserve the right to make changes to the schedule or other elements of the course. Appropriate notification and discussion will precede any changes.