CS 1351: Java Programming

Instructor: Dr. William J. Wolfe
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Office: MCS 220A  Hours: M-F 1-3PM
(For best results, contact the instructor via email).

Course Description
This course covers the basics of Java programming including data types, arrays, objects, methods, recursion, algorithms and graphics.

Required materials (i.e. textbooks, software, etc)
• A CS 1351 Course packet is available in the ASU Bookstore.
• You can download the Netbeans IDE at https://netbeans.org/ or just use the MCS labs where it is already installed.

Prerequisites
There are no prerequisites for this course.

Technical skills required for the course
As with any online courses students must be able to operate a computer and have the necessary technical skills to navigate around a web page.

Time spent on this course
• Students can expect to spend a minimum of 6 hours per week to complete all the readings and assignments.
• The time needed for adequate study and understanding of the course material, as well as discussion posts and critical thinking for all exercises and papers amounts to between six and seven hours per week.

Goals, Objectives, and Outcomes
Upon completion of this course, you should be able to:
A. Basic data types.
B. If/then/else control structures
C. Do loops
D. While loops
E. Methods
F. Arrays
G. Objects
H. User defined Classes
I. Java Swing graphics programming
Method of Assessing Outcomes

- Must do CS 1351 Course Packet Projects:

**10 Points each:**
BinaryNumbers
ASCII
Factorial
MultiplicationTables
PrimeNumbers
RandomCharacters
GCD
MathQuiz
Encryption
InsertionSort
Permutations
NumberGuessingGame

**40 points each:**
Rock Paper Scissors
Animated Balls
Life

**60 points: Choose 1 from:**
Pong
ShootingGameNew
SideScrollGame
MadLib5

**Submitting Projects:**
When you have completed a project, submit the project to the instructor by email with attached 4 or 5 screen shots that show the project working from beginning to end. Please put "CS 1351 Java Programming" and the "Project Name" in the subject line, such as: "CS 1351 Java Programming BinaryNumbers". The instructor will respond quickly to your submission, letting you know if it is acceptable or not.

**Grades:**
12 projects at 10 points each = 120 points
3 projects at 40 points each = 120 points
1 project at 60 points = 60 points
Total possible points = 300 points
Your grade is based on the percentage of points you earn:
Percentage = 100 x (points earned)/300

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<th>Percentage</th>
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<tr>
<td>90-100%</td>
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Final Exam
• This course does not require a final examination.

Administration
• Students may receive occasional emails from the course instructor and are expected to respond promptly.
• Failure to participate or communicate on the part of a student will result in an appropriate reduction of grade and possibly in failure of this course.

Late work
Late assignments All projects are due by the last day of class for the semester.

Policy on incompletes
• From the ASU Catalog:
The grade “I” is given when the student is unable to complete the course because of illness or personal misfortune. An “I” that is not removed before the end of the next long semester automatically becomes an “F”. Students will be allowed one year to remove a grade of “I” before it automatically becomes an “F”. To graduate from ASU, a student must complete all “I”’s.

University Policies
Academic Integrity
Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding and complying with the university Academic Honor Code and the ASU Student Handbook.

Accommodations for Disability
The Student Life Office is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting the Student Life Office at (325) 942-2191 or (325) 942-2126 (TDD/FAX) or by e-mail at Student.Life@angelo.edu to begin the process. The Student Life Office will establish the particular documentation requirements necessary for the various types of disabilities.

Student absence for religious holidays
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.