CS 1351.020: Java Programming
Fall 2019 Course Syllabus

Instructor: Dr. Erdogan Dogdu
E-mail Address: edogdu@angelo.edu
Office Phone: 325-486-5444
Office: MCS 205A
Office Hours: M-F 1:00pm – 2:00pm or by appointment
Class Times: MWF 10:00am – 10:50am
Classroom: MCS 105

Course Description
This course teaches the fundamental principles of programming and object-oriented software design using Java to solve real-world problems.

Course Goals
The goal of this course is to master the basics of computer programming and the foundations of object-oriented programming using the Java programming language.

Learning Outcomes
When you complete this course, you should be able to:
- Explain the basic syntax of the Java programming language,
- Create, compile, and run a Java program,
- Construct a program using one or more of the following structures: sequence, selection, and repetition,
- Define and utilize methods and arrays,
- Define classes and instantiate objects,
- Solve problems and create solutions using the Java language.

Required Materials

Textbook: Online zyBook: Java Programming
1. Click on your zyBooks link in Blackboard (Do not go to the zyBooks website and create a new account)
2. Subscribe
   Subscription is $77. Students may begin subscribing on Aug 12, 2019 and the cutoff to subscribe is Nov 30, 2019. Subscriptions will last until Dec 27, 2019.

Software: Eclipse IDE for Java Developers
- Available on the machines in the MCS computer labs.
- You can download Eclipse free of cost. Details will follow in class.

Blackboard: You are required to study all material posted on Blackboard.
Computer: You must have access to an adequate computer and Internet connectivity to participate fully in the class. A table describing supported browsers can be viewed on Blackboard’s support site.

Optional Materials

Pearson, Book: ISBN 9780134802213

Communication
You are responsible for checking your ASU email account and Blackboard throughout the duration of this course.
Activities Assessing Learning Outcomes

Assignments

- Participation and Challenge Activities (PA and CA)
  Online zybook textbook material, participation activities, and challenge activities will be assigned via Blackboard. This material will help build the knowledge and skills needed to complete the programming assignments.

- Programming assignments
  Programming assignments will reinforce Java concepts and teach problem-solving skills and will be assigned via Blackboard. Programming assignments will become more complex as Java concepts are mastered.

Exams

There will be three exams in online format on Blackboard using Respondus Lockdown browser. All students must take all the exams on the scheduled dates. See table under Course Outline for dates and Class Policies for exam policies.

Grades

Your course grade will be based on the following:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>zyBook PA’s &amp; CA’s</td>
<td>15%</td>
</tr>
<tr>
<td>Programming Assignments</td>
<td>35%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

ASU employs a letter grade system. Grades in this course are determined on a percentage scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 – 100</td>
</tr>
<tr>
<td>B</td>
<td>80 – 89</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79</td>
</tr>
<tr>
<td>D</td>
<td>60 - 69</td>
</tr>
<tr>
<td>F</td>
<td>0 - 59</td>
</tr>
</tbody>
</table>

Course Outline

Weekly tentative schedule (subject to change)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to Java</td>
</tr>
<tr>
<td>2</td>
<td>Introduction to Java</td>
</tr>
<tr>
<td>3</td>
<td>Variables / Assignments</td>
</tr>
<tr>
<td>4</td>
<td>Branches</td>
</tr>
<tr>
<td>5</td>
<td>Branches, Exam 1</td>
</tr>
<tr>
<td>6</td>
<td>Loops</td>
</tr>
<tr>
<td>7</td>
<td>Arrays</td>
</tr>
<tr>
<td>8</td>
<td>Arrays</td>
</tr>
<tr>
<td>9</td>
<td>User-Defined Methods</td>
</tr>
<tr>
<td>10</td>
<td>Exam 2, Objects and Classes</td>
</tr>
<tr>
<td>11</td>
<td>Objects and Classes</td>
</tr>
<tr>
<td>12</td>
<td>Objects and Classes</td>
</tr>
<tr>
<td>13</td>
<td>Memory Management</td>
</tr>
<tr>
<td>14</td>
<td>Input / Output</td>
</tr>
<tr>
<td>15</td>
<td>Recursion</td>
</tr>
<tr>
<td>16</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>
Class Policies

Policy on absenteeism/non-communication

- Attendance will be taken every day at the beginning of class.
- Assignments will be posted on Blackboard.
- Ample time is allowed for assignment completion. No late assignment will be accepted. No e-mail submission is accepted. There are no exceptions to this rule.

Academic Integrity

- Academic Honor Code: Academic misconduct includes cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, violations of published professional ethics/standards, and any act or attempted act designed to give unfair academic advantage to oneself or another student. See the Angelo State University Student Handbook\(^1\), Part II B: Academic Integrity\(^4\) for more information. Students are responsible for understanding the Academic Honor Code. If a student violates this policy in any way, the student may receive a sanction of failure on the assignment/exam or failure in the course.
- All homework assignments should be the product of the student alone. Cheating occurs when a student either submits work for a grade that is not entirely due to his/her own effort or allows others to use his/her work. Cheating on an assignment or exam can result in a failing grade for the course. No student shall look towards the work of any other student during exams as it shall be construed as cheating.

Exam Policies

- There are no makeup exams. Only exception will be student absence for observance of religious holy day (see Additional Policies below).
- If one exam is missed, the final exam will count double to make up for the missed exam. Only one missed exam can be made up this way. If more than one exam is missed, a grade of zero will be given for the additional missed exam.
- The final exam must be taken on its assigned date. For students taking all three exams, the final exam grade can replace a lower grade on one of the first two exams if the final exam grade is higher. Only one regular exam grade can be replaced in this way.

Additional Policies

Accommodations for Disability

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs 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 Director of Student Disability Services at 325-942-2047.

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.

Modifications to the Syllabus

The instructor and the university reserve the right to modify or change the syllabus (schedule, course requirements, grading policy, etc.) as the curriculum and/or program require(s).

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\(^1\) https://www.eclipse.org/downloads/packages/eclipse-ide-java-developers/oxygen2

\(^2\) https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support

\(^3\) http://www.angelo.edu/student-handbook/

\(^4\) http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php