Instructor: Mrs. Beth Niehues  
E-mail Address: bniehues@angelo.edu  
Office Phone: 325-486-5429  
Office: MCS 205C  
Office Hours: MTWRF 1:00 – 3:00; and by appointment  
Class Times: Online unless announced. Required meetings will be held on TR 9:30 a.m. – 10:45 a.m.  
Classroom: Online; announced meetings will be in MCS 114

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.

Student 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.

Course Delivery  
This is a hybrid course with learning resources and supplemental materials posted in Blackboard. Face-to-face meeting times will be announced.

Required Materials  
Textbook: Online zyBook: Java Programming (subscription is $77 and will last until June 08, 2020):
1. Click on your zyBooks link in your learning management system (Do not go to the zyBooks website and create a new account)
2. Subscribe

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 and learn all material posted on Blackboard.

Technology: You must have access to an adequate computer and Internet connectivity to participate fully in the class. ASU provides computer labs for your use. A table describing supported browsers can be viewed on Blackboard's support site.

Optional Materials  
Pearson, Book: ISBN 9780134802213  
OER Online PDF Textbook (Free): Downey & Mayfield, Think Java 2e
Communication
You are responsible for frequently checking your ASU email account and Blackboard throughout the duration of this course. Email communication will be done exclusively through your ASU email address. Please include your course name and section number in the subject line of your email. I will respond to email messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

Activities Assessing Learning Outcomes

Assignments
- **Participation and Challenge Activities**
  Videos, Powerpoint slides, 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.
- Sufficient 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.

Exams
There will be three exams in online format. Exams may make use of 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>

Incomplete Grade Policy
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.
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>Variables/Assignments, Branches</td>
</tr>
<tr>
<td>5</td>
<td>Branches, Exam 1 on 2/13, Loops</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>User-Defined Methods, Exam 2 on 3/26</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>Objects and Classes, Memory Management</td>
</tr>
<tr>
<td>14</td>
<td>Memory Management, Input / Output</td>
</tr>
<tr>
<td>15</td>
<td>Input / Output</td>
</tr>
<tr>
<td>16</td>
<td>Final Exam on Thursday, 5/7, from 8:00 a.m. – 10:00 a.m.</td>
</tr>
</tbody>
</table>

Class Policies

All students are required to follow the policies and procedures presented in these documents:
- Angelo State University Student Handbook
- Angelo State University Catalog

Academic Integrity

- Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.
- The College of Science and Engineering adheres to the university’s Statement of Academic Integrity.
- All 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.

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.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student
Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:
    Dallas Swafford
    Director of Student Disability Services
    Office of Student Affairs
    325-942-2047
dallas.swafford@angelo.edu
    Houston Harte University Center, Room 112

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. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Title IX at Angelo State University
The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:
    Michelle Boone, J.D.
    Director of Title IX Compliance/Title IX Coordinator
    Mayer Administration Building, Room 210
    325-942-2022
    michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

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).

1 https://www.eclipse.org/
2 https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support
3 https://greenteapress.com/wp/think-java-2e/
4 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
5 https://www.angelo.edu/student-handbook/
6 https://www.angelo.edu/catalogs/
7 http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
8 https://www.angelo.edu/services/disability-services/
9 https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
10 www.angelo.edu/incident-form
11 www.angelo.edu/title-ix