Idaho State University  
Computer Information Systems

Instructor:  Dr. Kevin R. Parker
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Web Page:  http://cob.isu.edu/parkerkr

Course:  CIS-440 – Object-Oriented Development
Prerequisite:  CIS 220, CIS 320 (was CIS 221), CIS 382

<table>
<thead>
<tr>
<th>Section</th>
<th>1 (210773, 210774)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom</td>
<td>BA 407</td>
</tr>
<tr>
<td>Class Time</td>
<td>Tuesday 2:30 PM - 5:15 PM</td>
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</tbody>
</table>

Office Hours:
- BA 528, Tuesday 11:30 AM - 1:15 PM
- Wednesday 11:30 AM - 2:15 PM
- Thursday 11:30 AM - 1:15 PM


Course Description:

Object-oriented development focuses on the organization of software as a collection of discrete objects that incorporate both data structures and the operations performed on those structures. This course teaches the basics of object-oriented development, including classes, inheritance, and encapsulation, through the use of the Java programming language.

Course Objectives:

- The student will be able to list the fundamental concepts of the object-oriented paradigm.
- The student will be able to explain each of those fundamental concepts.
• The student will be able to explain and utilize a wide range of the features available in the Java programming language.

• The student will be able to write object-oriented programs using the Java programming language.

• The student will be able to analyze programming requirements in order to understand what type of objects are involved in the system and what functions they perform.

• The student will be able to design an object-oriented approach to satisfy those requirements.

• The student will be able to organize program code to implement the design.

• The student will be able to verify that the results obtained satisfy the original requirements.

Exams:

You must score at least 60% on the combined total of all exams in order for the quizzes and the project points to be counted. In other words, you cannot pass this course with less than 60% on the combined total of the exams.

Make-up Exams:

In order to discourage students from missing exams, no make-ups will be given, regardless of the reason for absence. Instead, a comprehensive essay exam will be given at the end of the semester to those students who have missed an earlier exam. The grade on the comprehensive exam will replace the zero score received on the missed exam. The comprehensive exam can be used to replace at most a single zero score.

Final Exam

The scheduled date for the final exam is shown on the class schedule. If you are unable to take the exam during that period then you are advised to withdraw from the class.

Assignments/Projects:

Assignments and projects that are not submitted on the due date will be subject to grading penalties of 20% per day. Assignments and projects cannot be graded until all students have submitted their work, so prompt submission is essential.

Tardiness:

Students are expected to arrive for class and be in their seats by the scheduled beginning of class. Quizzes will be administered at the beginning of class, and anyone arriving late will not be allowed to take the quiz.

Attendance:

Attendance in class is integral to the learning process. In addition, any quizzes or exams that are missed cannot be made up, so attendance is essential. More than three absences may also result in the reduction of one letter grade on the final grade for habitual offenders(two absences for classes that meet only once a week). If a
student misses the equivalent of three weeks or more of class, no credit may be received for the course.

Student Notification:

All students are responsible for checking the web page and their e-mail on a regular basis, preferably daily, for notification of any class scheduling changes or assignment clarification.

Instructor Availability:

The instructor will be available during posted office hours, but additional efforts are made to increase accessibility to the students. If the instructor is not available at the telephone number above, the student can leave a detailed voice mail message. These messages are checked each day and every effort is made to minimize delay in returning calls. In addition, the instructor's e-mail is also checked several times each day and often the student will get an immediate response to questions submitted by e-mail. E-mail is usually the most reliable means of contact.

Cell Phones:

Cell phones, pagers, and any other electronic devices that may disrupt class are to be left outside of class or turned off. Violations of this policy will result in letter grade reductions.

Group Project:

Your course grade will depend heavily on a group project. In order to insure equal participation in the project each group member will be required to complete and submit a Peer Evaluation.

Academic Honesty:

While a certain amount of collaboration is expected and often necessary, there is a fine line between collaboration and cheating. Students may collaborate on design and programming issues. This does NOT include duplication of programs or designs. Collaboration should be use to find bugs in programs or to solve program syntax or general structure problems. Copying of code, regardless of the number of editor changes, renaming, and/or retying is considered cheating, and a student’s inability to describe the function of an assignment will be considered clear evidence of cheating. Providing another student with part or all of a solution is also clearly cheating. Cheating will result in failing the course, along with possible expulsion from the University.

Any student suspected of cheating on an exam will be asked to turn in the exam immediately and/or will be reported to the Academic Ethics Committee.

Please read the Student Code of Conduct in your Student Handbook.

Grade Distribution:

This class utilizes my Standard Grading System. Please note that final grades are assigned based on student performance on assignments and exams and are not negotiable.
### Final Grade Determination (Objective Portion):

<table>
<thead>
<tr>
<th>Type</th>
<th>Points</th>
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<tbody>
<tr>
<td>Programs/Assignments/Quizzes</td>
<td>40%</td>
</tr>
<tr>
<td>Exams</td>
<td>60%</td>
</tr>
</tbody>
</table>

### Professional Demeanor

Part of receiving an education from a professional college like the College of Business is learning about your chosen field. Another part is learning to act like a member of that field. Professional Demeanor is in many ways the most important part of the learning process. How you act affects not only how others perceive you, but can also result in rewards or, alternatively, negative consequences. It will also affect your grade in this class.

The grade that you receive in this class will consist of two parts: the objective portion that is a calculated average of all assignments, quizzes, exams, etc., and a subjective portion that is based on your professional demeanor. The professional demeanor multiplier (PDM) can range from 0.85 to 1.05, and will be multiplied by your calculated average. Students will be assigned a PDM of 1.0 unless behaviors are exhibited that signify unreadiness for the workforce. Exceptional students may also be rewarded accordingly.

Final Grade = Calculated Grade * PDM

Students will demonstrate professional demeanor and commitment in a variety of ways: energetic and respectful participation in class, willing acceptance and completion of obligations; punctuality; and not whining. Professional demeanor includes several subjective items such as punctuality, attendance, positive attitude, preparation, appropriate language and respectfulness to other students and the professor. Students are expected to come to class prepared, participate in activities and discussions, and treat others with respect in the classroom, which includes listening interactively to classmates and the professor, and respecting others’ viewpoints.

Students are expected to arrive for class and be in their seats by the scheduled beginning of class.

Attendance is very important and is addressed in a separate section. Students are expected to attend class. It is your responsibility to contact the professor when you are unable to attend, and to obtain information about missed assignments, etc., from classmates.

Do not leave class early unless prior arrangements have been made with the professor.
Do not read the newspaper during class.

Do not bring meals or snacks to class.

Every cell phone, beeper, laptop volume control, pager, personal digital assistant, should be set to mute or off before coming to class. If any of these devices rings, beeps, or plays in class, you will be marked absent.

Some students enroll in a course already having experience in the subject area, and while contributions to discussions are welcomed, arrogance and unwillingness to learn or comply with professor directions will not be tolerated.

Laptop Policy

Increasing numbers of students are using personal computers to take notes in class. Some classmates sitting nearby have occasionally been distracted by the sound of the keys. To maintain an atmosphere conducive to learning in the classroom and to avoid distracting others, students using laptops in classrooms should follow these principles of good practice.

- Set your computer so that no audible signal is heard (e.g., when the battery is low). Similarly, install software so that there is no sound when the software is "booted up" or used.

- Students using portable or notebook computers in the classroom should make every attempt to sit in an area of the classroom where noise from the computer will not bother other students. In general, it is best if all students using portable computers sit near the back of the classroom.

- Restrict laptop use to note taking or class-related web sites. Random browsing, playing computer games, exchanging e-mail and Internet messaging are discouraged. If you engage in unauthorized communication or entertainment (surfing, instant messaging, chat room chatting, DVD viewing, music playing, game playing, etc.), you will be marked absent.

- If you engage in unauthorized communication or entertainment during lecture, you will be marked absent.

- If a guest speaker comes into the class, please give the person your full attention and close your laptops.