Syllabus
UWGB • Comp Sci 256 • Software Design I
Academic School Year 2019 - 2020
Credits: 4, High School Credit: 1

Contact
Instructor: Mai Moua
Email: mmoua@warrinerschools.org
Phone: (920) 476-8068
Office: King Room

Class Time: Monday, Friday - 8:55 a.m. - 9:50 a.m.
Wednesday - 8:45 a.m. - 9:30 a.m.

Prep Hours:
Monday, Friday - 10:45 a.m. - 11:40 a.m.
Wednesday - 10:15 a.m. - 10:55 a.m.
Tuesday, Thursday - 9:50 a.m. - 10:45 a.m.
If none of these times work for you, please send me an email to schedule an appointment.

The best way to contact me is by email. Please include the name of the course (Software Design) in the subject line.

Required Materials
- Textbook *Java How To Program, 11th Ed* by Deitel and Deitel from Pearson
- Chromebook
- Notebook (optional)
  - If you choose to take notes with your Chromebook, a notebook is optional.
- Pen/pencil
- Thumbdrive
  - A thumb drive helps store programs and transfer files from the school computer to your PC.

Course Objective
This course introduces students to software development using the Java programming language. This includes problem-solving, designing and implementing the solution, testing it to ensure that the program has the appropriate output, debugging the program, and adding proper documentation in the program.

- Understand the basic building blocks of computer programs such as variables, data types, conditional and iterative statements, and methods.
- Understand the fundamentals of Object-Oriented Programming in Java including defining, creating, and using classes, objects, and methods.
- Develop the ability to write computer programs using the above-mentioned concepts to solve specific problems.
- Learn to use the Java SDK environment to create, debug and execute simple Java programs.
- Learn the best practices of programming.
- Identify and implement simple data structures such as arrays, array lists, and multidimensional arrays.
- Develop an interactive Graphical User Interface (GUI)

For the entire school year, the focus is in chapters one through eight with additional materials from Chapter 9 and 10.
**Grade**

Below is the grading division for each category.

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Notes</td>
<td>5%</td>
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<tr>
<td>Quizzes</td>
<td>10%</td>
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<tr>
<td>Reading Homework</td>
<td>15%</td>
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<tr>
<td>Assignments</td>
<td>15%</td>
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<tr>
<td>Labs</td>
<td>15%</td>
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<tr>
<td>Midterms</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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</tbody>
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The final grade for this class is part of the student's college and high school transcripts. There are two different grade books, one to calculate the student's cumulative grade throughout the whole school year and one split into semesters.

**Warriner High School Grading Scale**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>92-100%</td>
<td>A</td>
</tr>
<tr>
<td>88-89.99%</td>
<td>A-</td>
</tr>
<tr>
<td>80-81.99%</td>
<td>B+</td>
</tr>
<tr>
<td>78-79.99%</td>
<td>B</td>
</tr>
<tr>
<td>72-77.99%</td>
<td>B-</td>
</tr>
<tr>
<td>70-71.99%</td>
<td>C+</td>
</tr>
<tr>
<td>68-69.99%</td>
<td>C</td>
</tr>
<tr>
<td>62-67.99%</td>
<td>C-</td>
</tr>
<tr>
<td>60-61.99%</td>
<td>D+</td>
</tr>
<tr>
<td>&lt; 50%</td>
<td>D</td>
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**UW-Green Bay Grading Scale**

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<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>93-100%</td>
<td>A</td>
</tr>
<tr>
<td>88-92%</td>
<td>AB</td>
</tr>
<tr>
<td>83-87%</td>
<td>B</td>
</tr>
<tr>
<td>78-82%</td>
<td>BC</td>
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<tr>
<td>73-77%</td>
<td>C</td>
</tr>
<tr>
<td>68-72%</td>
<td>CD</td>
</tr>
<tr>
<td>60-67%</td>
<td>D</td>
</tr>
<tr>
<td>0-60%</td>
<td>F</td>
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**Notes**

Notetaking is essential for success in the classroom. Students can refer to them when studying for a quiz or test. Notes are graded every two weeks to ensure that students are taking notes for success. It will be collected every Friday or Wednesday. If students use their Chromebook to take notes, they must share the document with the instructor to earn a grade. Otherwise, the instructor will collect all handwritten notes. Notes are returned the following class period.

**Quizzes**

Bi-weekly quizzes are used to test the students' knowledge of the material taught in the previous two weeks. Each quiz is worth ten points, and the total number of questions varies. Questions are either short answer and mini-coding problems.
**Reading Homework/Assignment**
Assignments are mini-programs that take less than a week to complete. If it is a mini-program, students must ensure that they follow all the proper programming styles and include all appropriate documentation. The program must be working correctly, displaying the correct output. Students must demonstrate that they understand the materials by incorporating it their final draft.

Reading assignments are assigned to students to ensure that they are reading the required text. It is the instructor's questions that relate to the current text.

**Projects**
Projects follow a similar guideline as mini-programs. Given a problem, students must implement a solution that works properly. Students must demonstrate excellent programming skills (proper indentation and comments), the project should compile and run without any error, must follow the project's specifications, and correctness.

**Labs**
Labs are activities completed during the class period. If they are not completed before the end of the class period, students have an opportunity to schedule a time after school to finish. The lab must be completed before the next lecture.

**Exams**
Midterm exams weighed the same. You will have two midterms for each semester after each two or three chapters.

**Final Exams**
You will receive two final exams, one taken in January, and the other in June. These exams will be comprehensive. The first exam focuses on the materials you've learned during the first semester. The second exam focuses on all the materials taught throughout the entire school year.

**Classroom Policies**
- Students are only allowed to use their Mac during labs. All electronic devices must be put away during lectures. If I catch you using your phone, you have to forfeit your phone to me for the rest of the class period. You are expected to work actively during labs. Do not use the computers for other activities. If you are caught using the computer for other activities during lab, you will receive a warning. If you are caught using it for other activities, you will stay after school. The third time parents will be contacted.
- No food or drinks allowed to avoid damage to the Mac and to minimize the distraction.
- If you are absent, it is your responsibility to obtain the notes for the day.

**Late Policies**
- If you have an unexcused absence, you are not able to make up for labs, exams, and quizzes. If you have an excused absence, it is your responsibility to contact the instructor and find a suitable time that would work for you and the instructor.
- You will receive a ten percent (10%) deduction for each day your assignment is late. No assignment will be accepted five days after the submission date.

**Cheating and Plagiarism/ Academic Dishonesty**
I do not tolerate cheating and plagiarism. Plagiarism is using a source without crediting it. I will be using an application to detect cheating/plagiarism. All your work must be your own. You should not directly contact a student in the class for help. To help avoid this situation, attempt the problem first. If you still find yourself struggling, ask your instructor for help or clarifications. This does not mean that you are forbidden to speak to your classmates about the problems. You can discuss possible solutions to approach the problem. There should be no coding or designing process involved in the conversation.

Students should be comfortable enough to assist each other around the IDE environment or ask each other for clarification of the project specification. Student SHOULD NOT copy or examine another student’s code, give a copy of the code or design description to another peer, and ask another student to write partial or the entire code. Since this is a college course and materials, students should learn to be more independent.
Since this is a UWGB course, we will follow the policy UWGB has enforced for students who are found committing academic dishonesty. Both students who are involved will receive a zero for the assignment and their grade will be a letter grade lower than the one they have earned (A to B, B to C, C to D, and D to F). Please review the UWGB’s policy on academic dishonesty.


I reserve the right to modify the syllabus. It should not affect your performance.

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I agree to the rules and regulations of the syllabus.

Student Name (print): ________________________________
Student Signature: ________________________________
Date: __________________________________________

Parent Signature: ________________________________
Date: __________________________________________