Course Syllabus
MIS 2845 001 – Applied Program Development I
Fall Semester, 2018

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Subject line: MIS 2845 Your Name Topic of this email

Office Hours: None, teleconferences can be arranged via email request.

Course Overview:

This course is designed for the BIT student to garner an appreciation on computer programming, particularly the Java programming language. It is not intended to make career programmers out of the students, although the Textbooks do go into that depth.

This course is an online course. Expect the course to be technically challenging but very do-able, thus you will find yourself spending a lot of time each week.

The skills of software development are becoming essential to almost every task of an organization. Many business organizations require their employees to have excellent skills in software development not only for developing a marketable application, but also for achieving business goals such as advanced data analytics, inventory management, artificial intelligence, database development, marketing, consulting, and so on. This course introduces the fundamentals of software development using languages and techniques widely employed in the business environment. In particular, we will study Java this semester.

Java is an “object-oriented programming” (OOP) language that is one of the most important programming paradigms in modern software development. As one of the most widely used OOPs, 80% of the world’s business software developments adopt the Java programming interface. The objective of this course is to introduce the fundamental concepts, principles, methods, and techniques of OOP using Java.

The topics covered in this course can be largely divided into two parts. The first part is focused on the foundation of programming. It covers basic programming concepts, including objects, classes, control statements, collections of objects, encapsulation, cohesion and so on. The second part covers more advanced topics, including inheritance, abstract classes, interface, exception handling and OOP design.

Pre-Requisites/Co-Requisites:
None

Text Book:
All students are expected to purchase the textbook and optionally MyLab:
Deitel/Deitel - Java How to Program, Early Objects, 11/e; MyLab & Student Value Edition
NOTE ## Student Value Edition may have e-book. Please ask the bookstore or publisher.
Use of MyLab is optional as it is a learning aid. Some students get by with just the textbook. I will not be assigning anything from MyLab.
Note that everything you ever wanted to know about Java and how-to-install and object orientation design may be found in many places on line including youtube.

Software Requirement:
It is important for all students to have access to a computer with the following FREE software installed:
• IDE: NetBeans with the free JDK 1.8 and JRE which must be installed prior to installing Netbeans.

The instructions for installing the JDK and JRE and Netbeans are available online in many places including detail video on youtube,

Fogelman College: Learning Outcomes for Your Degree
This course is designed to help you to meet the overall learning objectives for the BBA degree offered by Fogelman College. You should take the time to become familiar with the overall learning objectives as a student in the BBA degree program.
• BBA Program Outcomes (opens in browser window)

Course Methodology
The instructional methodology of this course will be assigned readings and program assignments.
• Activities will consist of homework assignments.
Professor’s Expectations of Students:
In general, you should assist the instructor in creating a positive, supportive environment for learning by staying engaged in the course and actively participating in all online discussions.

Student’s Expectations of the Professor:
In my role as your instructor, there are certain things you can expect from me including: a well-organized and engaging learning experience, response to emails within three (3) business days, and feedback on all work submitted within 7-10 calendar days.

Final Course Grades:
Your final letter grade is based on your overall average. Your overall average is calculated as the sum of all the points you earned on graded assignments divided by the total number of points possible. The letter grade is based on the following schedule:

- 90% and above: A
- Above 80% but below 90%: B
- Above 70% but below 80%: C
- Above 60% but below 70%: D
- Below 60%: F

Summary of Graded Activities
Points earned on the assessed activities will be distributed as follows:

<table>
<thead>
<tr>
<th>Deliverable</th>
<th>Total points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assigned program 1</td>
<td>100</td>
</tr>
<tr>
<td>Assigned program 2</td>
<td>100</td>
</tr>
<tr>
<td>Assigned program 3</td>
<td>100</td>
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<tr>
<td>Assigned program 4</td>
<td>100</td>
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<tr>
<td>Assigned program 5</td>
<td>100</td>
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<tr>
<td>Assigned program 6</td>
<td>100</td>
</tr>
<tr>
<td>Assigned program 7</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam (online in eLearn last week)</td>
<td>100</td>
</tr>
<tr>
<td>Team Program assignment</td>
<td>200</td>
</tr>
</tbody>
</table>
Weekly Schedule

Note you will need to read the relevant material in your textbook.

I will be submitting supplemental material each week in News in eCourseware.

Week 1 due September 3  Read the syllabus and post your bio in eLearn.
Week 2 due September 10 Program 1 due (HelloWorld)
Week 3 due September 17 Program 2 due (Read and display a Shipment and demonstrate conditional statements)
Week 4 due September 24 Work on program 3
Week 5 due October 1 Program 3 due (Read and display a series of Shipments and demonstrate arithmetic)
Week 6 due October 8 Work on program 4
Week 7 due October 19 Program 4 due (Read and display a series of Shipments with totals and demonstrate use of methods)
Fall Break October 13-16 Have fun!!!
Week 8 due October 22 Program 5 due (Create a Shipment Object) and Team assignments due
Week 9 due October 29 Program 6 due (Use the Shipment Object)
Week 10 due November 5 Program 7 due (Do anything you want to do and surprise me)
Week 11 due November 12 Teams work on program assignment (Read and process a Shipment using a Window)
Week 12 due November 19 Teams work on project
Week 13 due November 30 Team program assignment due
Week 14 December 5 Final Exam online in eLearn.

Course Policies

Email:
All students are required to maintain and access their University of Memphis (@memphis.edu) email account. You will receive all official course correspondence at this email account. It is your responsibility to check your inbox frequently and read all email messages from the course instructor.

**Attendance:**
This is an online course so attendance is not relevant.

**Adding / Dropping:**
If you have questions about adding or dropping classes, please refer to this page on the Registrar’s website (opens in browser window).

**Extra Credit Project:**
Not available

**Academic Integrity:**
The University of Memphis has clear codes regarding cheating and classroom misconduct. If interested, you may refer to the Student Handbook section on academic misconduct for a discussion of these codes. Note that using a “Solutions Manual” is considered cheating. Should your professor have evidence that a “Solutions Manual” has been used, he/she may take steps as described on the campus’ Office of Student Conduct website (opens in browser window). If you have any questions about academic integrity or plagiarism, you are strongly encouraged to review Fogelman College’s Website on Academic Integrity (opens in browser window).

Specific rules to be emphasized regarding academic conduct in this course:

- Texting and talking on cell phones is not permitted during class time.
- Laptop computers are permitted in the classroom but should only be used for class-related purposes.
- You are expected to turn in your assignments on time. The due dates for assignments are provided on the semester schedule and as marked in the eCourseware calendar with each assignment.
- Unless specifically instructed otherwise, collaboration on homework assignments, quizzes, or tests is considered cheating. Copying someone else’s work without proper citation is considered a violation of academic integrity. In this class, violations of academic integrity rules will result in failing the course.
Late Assignments:
Assignments and projects may be submitted anytime up to and including the due date. If your work is not submitted on time, the instructor reserves the option to deduct up to 90% of the grade value for tardiness depending upon the circumstances and appropriate communication between the student and the instructor.

Reporting Illness or Absence:
Due dates and deadlines have been established for each graded assignment. In this course, deadlines are taken very seriously. Please do not wait until the last day to submit assignments or to take quizzes and exams. If an emergency should arise, it is the student’s responsibility to contact the instructor prior to the deadline to discuss the matter. A deadline extension will be considered only if all of the following conditions are met: (1) Extreme emergency and (2) Instructor contacted prior to the due date.

Syllabus Changes:
The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes by both individual email communication and posting both notification and nature of change(s) on the course bulletin board.

Student Services
Please access the FCBE Student Services (opens in browser window) page for information about:

- Students with Disabilities
- Tutoring and other Academic Assistance
- Advising Services for Fogelman Students
- Technical Assistance