Course Syllabus
MIS-2845-001 – Introduction to Business Application Programming
Fall 2015
3 Credit Hours

(Last updated: 8/22/2015)

Instructor: Dr. Chen Zhang, Associate Professor
Time and Room: 11:20 AM – 12:45 PM Tuesday and Thursday, FCB 373
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E-mail: czhang12@memphis.edu
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Office Hours: 10:00 AM – 11:00 AM Tuesday
1:30 PM – 3:30 PM Thursday
Teaching Assistant: Venkatesh Mandapati (vmndpti1@memphis.edu)

Course Overview

Introduction to business application programming; program development using languages and techniques widely employed in business environment.

Pre-Requirement:
MIS 2749

Required Texts and Related Materials:

Textbook:

Software:
- Java SE Development Kit 8
  (http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html)
- Eclipse Integrated Development Environment (IDE) for Java Developers
  (https://eclipse.org/downloads/)
Location of Course Materials:
Course materials are available online by logging onto eCourseWare at elearn.memphis.edu. They include lecture slides, assignments, exercises, grades and related links. Course materials are organized into modules based on the topic.

Course Objectives:
After successfully completing this course, students will be able to:
- Analyze problems and develop algorithms to solve them
- Make use of variables, expressions, control structures, and arrays in Java programs
- Organize program code using methods following the software engineering principles of modularity
- Write, document, test, and debug Java programs in commonly used IDEs
- Read, interpret, analyze and explain introductory Java programs
- Understand the fundamental concepts in object-oriented programming
- Develop simple GUIs in Java

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 the Fogelman College (http://www.fcbassessment.net/LearningOutcomes/BBADegreeLearningOutcomes.pdf).
The overall learning objectives for the BBA degree include:

<table>
<thead>
<tr>
<th>Goal 1: Graduates will be effective communicators.</th>
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<tbody>
<tr>
<td>● Develop a clear and concise topic statement of the issues to be addressed.</td>
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<td>● Explain the approach taken to evaluate an issue relating to a business topic.</td>
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<td>● Summarize the results of the analysis of an issue in a clear set of conclusions.</td>
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<td>● Present the topic in a professional manner.</td>
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<tr>
<th>Goal 2: Graduates will demonstrate critical thinking skills.</th>
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<td>● Present, assess, and analyze appropriate supporting data/evidence relating to the problem or issue.</td>
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<td>● Identify and assess conclusions, implications, and consequences that support decision making.</td>
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<td>● Identify the problem and then formulate a summary.</td>
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<th>Goal 3: Graduates will be knowledgeable about ethical factors in the business environment.</th>
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<td>● Identify a dilemma relating to a potentially unethical behavior.</td>
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<td>● Formulate stakeholders that are affected by a potentially unethical behavior.</td>
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<tr>
<td>● Analyze alternatives and identify consequences that result from unethical behavior.</td>
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<tr>
<th>Goal 4: Graduates will be knowledgeable about the global business environment.</th>
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<tr>
<td>● Demonstrate awareness of the economic, social and cultural environments within which international businesses operate.</td>
</tr>
<tr>
<td>● Demonstrate awareness of the political and technological environments within which international businesses operate.</td>
</tr>
<tr>
<td>● Demonstrate awareness of the legal, institutional and financial types of international transactions that are components of global business operations.</td>
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<th>Goal 5: Graduates will be proficient users of business presentation and analysis technology.</th>
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<tr>
<td>● Demonstrate analytical skills and technological expertise while developing and presenting business information.</td>
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<tr>
<td>● Utilize internet technology to perform queries and searches to locate relevant and accurate information.</td>
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<tr>
<td>● Use computer software tools to organize data for analysis to solve business problems.</td>
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Course Methodology
Combination of lecture and in-class hands-on programming activities.

Professor’s Expectations:
Students are expected to attend classes, actively participate in class discussions and programming activities, review the course content after class, and complete programming assignments on-time. Students are strongly encouraged to contact the Teaching Assistant or myself to seek any additional help with course materials if needed.

Student’s Expectations:
Course materials will be well-organized and you will be engaged in an active and supporting learning environment. I will respond to your emails within 2 business days if not sooner. Submissions will be graded within 4 to 5 business days and your up-to-date grade will be posted on elearn throughout the semester.

Grading and Evaluation Criteria

Final Course Grades
Assessment of students’ performance will be based on participation, quizzes, exercises, assignments, exams, and group project. Class performance will be weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent of final grade</th>
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<tbody>
<tr>
<td>Participation</td>
<td>5%</td>
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<tr>
<td>Pop Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Exercises</td>
<td>15%</td>
</tr>
<tr>
<td>Assignments</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>20%</td>
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<tr>
<td>Exam 2</td>
<td>20%</td>
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<tr>
<td>Group Project</td>
<td>15%</td>
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Grades will be assigned using the following percentages:

<table>
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<tr>
<th>Grade</th>
<th>Percent</th>
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<tbody>
<tr>
<td>A</td>
<td>90% and above</td>
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<tr>
<td>B</td>
<td>80% to 89%</td>
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<tr>
<td>C</td>
<td>70% to 79%</td>
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<tr>
<td>D</td>
<td>60% to 69%</td>
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<tr>
<td>F</td>
<td>Below 60%</td>
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Course Topics
- Fundamentals of Java programming
  - Variables
  - Selections
  - Mathematical functions, Characters, and String
Loops
Methods
Arrays

- Object-oriented programming
- GUI programming

List of Formal Assessed Activities

Participation
You are expected to attend all classes and participate in class discussions/exercises. You are responsible for the material we cover in class if you miss a class. Lecture slides will be posted on the course website. Please note that office hours are not a substitute for class attendance.

Participation will be evaluated using the following categories:

Good – (4% - 5% of final grade)
- Attends every class; participates in class discussions; asks meaningful questions; frequent communication with the instructor

Fair – (2% – 3% of final grade)
- Attends most classes, but rarely participates in class discussions or distracts others during class; infrequent communication with the instructor

Poor – (1% and below of final grade)
- Attendance is spotty; rarely participates in class discussions or distracts others during class; little communication with the instructor

Exercises
Each week I will assign programming exercises for you to practice what is covered in that week's lecture. These exercises will not only help you apply the concepts and techniques but also keep the instructor informed of your progress in the course throughout the semester. You will work on the exercises individually. Copying others' code is strictly prohibited.

Assignments
There will be 3 assignments during the semester. Each assignment will take significantly longer to complete than exercises. Please allocate sufficient time to each assignment and always start as early as possible! Assignments need to be submitted to the appropriate dropbox on eCourseware by 11:59PM of the due date (dropbox will close at 11:59PM of the due date). Each assignment will be graded out of 100 points and is worth 5% of the final grade.

Assignments should be done individually. Although students are allowed to discuss general concepts with each other, the specific code of the assignment should not be discussed or shared with others. Copying others’ code is strictly prohibited.

Late submission should be done via email by including the assignment solution as an attachment. There will be a 10% penalty for each day (or partial day) assignment submission is past the due date/time unless the student has a properly documented explanation for the late submission. If an assignment is turned in within 24 hours after the due date/time, there will be a penalty of 10 points. If an assignment is turned in within 48 hours after the due date/time, there will be a penalty of 20 points. If an assignment is turned in within 72 hours after the due date/time, there will be a penalty of 30 points. No assignments will be accepted 72 hours (3 days) after the due date/time.

Exams
There will be two closed-book in-class exams for this course. It will cover lecture material, class discussion, exercises, and textbook reading materials. The exam consists of multiple choice, short answer, and coding questions. Please see the schedule for the dates of the exams.

If you know in advance that you will be absent on the day of the scheduled exam, you need to make arrangements with me as soon as possible. If you miss an exam because of illness or other unforeseeable emergency (proper documentation required), you must contact me by email or phone within two days of the scheduled exam date to make arrangement for a makeup exam. Failure to do so will result in a grade of zero for the exam.

Projects
Projects will be completed by groups of 3 to 4 students. Each group must develop and submit the proposal outlining the project, the code, and the documentation. At the end of the semester, each group will make a presentation and project demonstration. At the end of the semester, a winning project will be selected based on students’ votes and 3 bonus points will be awarded to the final grades of members of the winning project group.

In addition, you will submit one progress report informing the instructor of the project status. The due dates for project proposal, progress report, and final project are available in the course schedule. The project will be assessed based on its proposal, progress report, coding, documentation, and presentation.

The project will be graded as follows:
- Proposal – 15%
- Presentation – 25%
- Progress report – 10%
- Code – 40%
- Documentation – 10%

Schedule of Activities
See course schedule on course website.

Final Exam Schedule
The final exam for this class will be in the form of a group project presentation that will take place on the scheduled exam date as noted on the Registrar’s academic calendar website.

Course Policies

E-MAIL:
All students are required to maintain and access their University of Memphis (@memphis.edu) email Account on a regular basis. You will receive all official course correspondence at this email account. It is your responsibility to make sure you are able to receive incoming mail in a timely fashion. If you prefer using your alternate email address (gmail, yahoo, etc.), you should inform me in an email during the first week of class.

Attendance and Participation:
This is a standard classroom course. It is important that you consistently attend classes throughout the semester and stay active and engaged in the classroom. Your full engagement in the class begins on the first day of the semester and should be maintained until the end of the semester. For students receiving federal student loans, any lack of engagement in the course may be treated as non-attendance and potentially impact access to student loans in the future.

Students are expected to participate in all interactive aspects of the course. You should also regularly communicate with the instructor as part of your overall learning experience, check the course website and email frequently for announcements, and actively participate in classrooms discussions (both formal and informal).

Note that class attendance and participation will contribute to your overall grade in the semester as noted under earlier in this syllabus.

Adding/Dropping:

If you have questions about adding or dropping classes, please refer to this page on the Registrar’s website.

Academic Integrity:

The University of Memphis has clear codes regarding cheating and classroom misconduct. Please 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 using a “Solutions Manual” has occurred, he/she may take steps as described on the campus’ Office of Student Conduct website.

If you have any questions about academic integrity or plagiarism, you are strongly encouraged to review the Fogelman College’s Website on Academic Integrity. Note that Turnititin will be used extensively on submitted work, especially research and associated writing. Strong evidence of plagiarism will result in a zero on the submitted assignment.

Classroom Behavior:

All participants in the course should be considerate of the other participants and treat them and their opinions with respect. Use of cell phones or engaging in activities unrelated to class is not allowed in class.

Extra Credit:

There is no extra credit offered in this course. Your final grade will be computed based on your work on the assessed activities previously described in this syllabus.

Reporting Illness or Absence:

Due dates and deadlines have been established and will be followed for each graded course component. 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 both of the following conditions are met: (1) Extreme and unforeseeable emergency and (2) Instructor contacted prior to the due date.

Inclement Weather:

In the event that inclement weather requires the cancellation of classes at The University of Memphis, local radio and television media will be immediately notified. Additionally, The University
of Memphis has established an Inclement Weather Hotline at 678-0888 as well as TigerText (New Window), an emergency alert text messaging service to students, faculty and staff. This optional service is used in the event of an on-campus emergency, an unscheduled university closing, or a delay or cancellation of classes due to, for instance, inclement weather.

**Syllabus Changes:**

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the semester, the instructor will immediately notify students of such changes both by class email communication and posting both notification and nature of change(s) on the course website.

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**Student Services**

Please access the [FCBE Student Services](#) page for information about:

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