Course Syllabus
MIS 3770 – 001 – System Analysis Methods
Fall Semester, 2015
3.0 Credit Hours

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Office hours: Mondays and Wednesdays 3:30-5:00pm

Course Overview

Systems analysis and design are the primary activities performed by a business or systems analyst when developing computer-based information systems. The fundamental goal of this course is to introduce you to and expand upon certain concepts, techniques, and tools of systems analysis and design. During the semester you will be exposed to the entire analysis and design process and will learn how to use a wide variety of methods and tools that support each phase of the process.

Pre-Requisites/Co-Requisites:
MIS 3210 or equivalent.

Required Texts (and Related Materials):

  ISBN: 9780137067114
- Harvard Business Case Course Pack:
  https://cb.hbsp.harvard.edu/cbmp/access/38739481

Recommended Texts (and Related Materials):

  ISBN: 9781118897843
**Location of Course Materials:**
All course materials (lecture notes, assignments, grades, discussion topics, news, etc.) are located on the [eCourseware website](http://www.fcbeassessment.net/LearningOutcomes/BBADegreeLearningOutcomes.pdf).

**Course Objectives:**
By successfully completing this course, students will have:

1. improved understanding of successful and effective project planning and management.
2. improved understanding of the information system development process.
3. increased awareness of the different development methodologies and their appropriateness.
4. developed skills to elicit end-user needs and expectations.
5. developed skills required for modeling various elements of an IS.
6. enhanced the ability to prepare written technical documents.

**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. You should take the time to become familiar with the overall learning objectives as a student in the [BBA program](http://www.fcbeassessment.net/LearningOutcomes/BBADegreeLearningOutcomes.pdf):

- [http://www.fcbeassessment.net/LearningOutcomes/BBADegreeLearningOutcomes.pdf](http://www.fcbeassessment.net/LearningOutcomes/BBADegreeLearningOutcomes.pdf)

**Course Methodology**
This course consists of lectures, hands-on assignments, and case studies. Exams will be used to assess your learning of the course materials.

**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 course activities.

**Student's Expectations of the Professor:**
In my role as your instructor, there are certain things you can expect from me including: well-organized and engaging learning experience, and response to emails within two (2) business days, and feedback on all work submitted within two (2) weeks.
Grading and Evaluation Criteria

Over the semester, you will have a variety of opportunities to earn points towards your final (overall) letter grade in this course. This section of the syllabus describes the assessed work you will be doing and how overall (final) letter grades will be computed.

Final Course Grades

Final course grades are earned according to the following table:

<table>
<thead>
<tr>
<th>Point Range</th>
<th>Assigned Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>91-100 Points</td>
<td>A</td>
</tr>
<tr>
<td>81-90 Points</td>
<td>B</td>
</tr>
<tr>
<td>71-80 Points</td>
<td>C</td>
</tr>
<tr>
<td>61-70 Points</td>
<td>D</td>
</tr>
<tr>
<td>Under 61 Points</td>
<td>F</td>
</tr>
</tbody>
</table>

Your overall grade for the semester is based on how well you perform on a mixture of formal activities including attendance/participation, assignments, case studies, and exams. A detailed description of each of the assessed activities can be found after the scoring summary table below.

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>Attendance &amp; participation</td>
<td>5</td>
</tr>
<tr>
<td>Assignments</td>
<td>30</td>
</tr>
<tr>
<td>Case studies</td>
<td>20</td>
</tr>
<tr>
<td>Exams</td>
<td>45</td>
</tr>
<tr>
<td>Total</td>
<td>100 pts</td>
</tr>
</tbody>
</table>

Final Exam Schedule

The final exam for this class will be scheduled according to the Registrar’s academic calendar website.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/24</td>
<td>Course introduction and overview</td>
<td>8/26</td>
<td>Topic #1: introduction to systems analysis and design &amp; the systems development environment</td>
</tr>
<tr>
<td>8/31</td>
<td>Topic #2: the sources of software</td>
<td>9/2</td>
<td>Case study #1 – Harley Davidson Motor company: enterprise software selection</td>
</tr>
<tr>
<td>9/7</td>
<td>Labor day (no class)</td>
<td>9/9</td>
<td>Topic #3: systems planning and selection</td>
</tr>
<tr>
<td>9/14</td>
<td>In-class assignment #1: project selection</td>
<td>9/16</td>
<td>Case study #2 – Zara: IT for Fast Fashion</td>
</tr>
<tr>
<td>9/21</td>
<td>Topic #4: determining systems requirements</td>
<td>9/23</td>
<td>In-class assignment #2: requirements gathering</td>
</tr>
<tr>
<td>9/28</td>
<td>Review for Exam #1</td>
<td>9/30</td>
<td>Exam #1</td>
</tr>
<tr>
<td>10/5</td>
<td>Topic #5: Alternative approach to gathering requirements (agile methodologies)</td>
<td>10/7</td>
<td>In-class assignment #3: requirements gathering using Scrum</td>
</tr>
<tr>
<td>10/12</td>
<td>Fall Break (no class)</td>
<td>10/14</td>
<td>Topic #6: Structuring and organizing requirements – process modeling</td>
</tr>
<tr>
<td>10/19</td>
<td>In-class assignment #4: process modeling</td>
<td>10/21</td>
<td>Review for Exam #2</td>
</tr>
<tr>
<td>10/26</td>
<td>Exam #2</td>
<td>10/28</td>
<td>Topic #7: Structuring and organizing requirements – use case analysis</td>
</tr>
<tr>
<td>11/2</td>
<td>In-class assignment #5: use case analysis</td>
<td>11/4</td>
<td>Topic #8: Object Oriented Modeling – UML diagrams</td>
</tr>
<tr>
<td>11/9</td>
<td>In-class assignment #6: UML diagrams</td>
<td>11/11</td>
<td>Case study #3 – American Airlines: Object Oriented Flight Dispatching Systems</td>
</tr>
<tr>
<td>11/16</td>
<td>Topic #9: Requirements Simulation</td>
<td>11/18</td>
<td>Topic #10: systems implementation and operations</td>
</tr>
<tr>
<td>11/23</td>
<td>Case study #4 – Prediction Markets at Google</td>
<td>11/25</td>
<td>Thanksgiving (no class)</td>
</tr>
<tr>
<td>11/30</td>
<td>Review for Exam #3</td>
<td>12/2</td>
<td>Exam 3</td>
</tr>
</tbody>
</table>
Course Policies

E-MAIL:
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. Any inability to receive incoming mail in a timely fashion (e.g., not regularly checking your email, having a “full mailbox” condition, etc.) is the student’s responsibility.

Attendance:
You are expected to stay active and engaged throughout the academic term and keep up with the schedule of activities. Your full engagement in the class begins on the first day of the semester and should be maintained until the last assignment is submitted.

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. 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 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.

Participation:
To be successful in this course as a student, you must stay active and involved throughout the entire semester. Students are expected participate in all interactive aspects of the course. You should also regularly communicate with the instructor as part of your overall learning experience.

Classroom or Online Behavior:
All participants in the course should be considerate of the other course participants and treat them (as well as their opinions) with respect. The class will operate under the assumption that any and all feedback offered is positive in nature and that the intentions of the person(s) providing feedback are strictly honorable. Insensitivity in this area will not be tolerated. If you have any questions about online communication, you should review the Fogelman College’s Netiquette website.

Late Assignments:
Late assignments will not be accepted.
Grade appeals:

If you are not satisfied with your grade on an exam or assignment, you may submit a brief written summary (or email), along with a justification of why you believe a better score is warranted. Two key rules apply to a grade appeal: 1) You must submit your appeal within one week of receiving the grade, and 2) When reconsidering your grade the instructor will re-grade the entire assignment and reserves the right to change the grade higher or lower on any portion of the assignment if an appeal is requested.

Extra Credit:

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

Reporting Illness or Absence:

Due dates and deadlines will be 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.

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, 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. Click Here for information on TigerText.

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 both by 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 page for information about:

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