1. Course Information

Course Title: Systems Analysis and Design

Course number: MBA 5368

Credit Hours: 3

Semester: Spring 2016

Room #: Strake 201

Days & hours: Wednesday, 7:00-9:45 pm

Web page/BlackBoard site: MBA 5368 on Blackboard

2. Instructor Information

Name: Elham Mousavidin, Ph.D.

Office location: Welder 208

Office hours- by appointment or:
Mon: 11am-12:10pm & 1:25-3:10pm
Wed: 11am-12:10pm & 1:25-3:10pm
Tues: 11am-12:10pm

E-mail: mousave@stthom.edu

Office phone: 713.942.5914

Fax number: 713.525.2110

Emergency phone: 713-525-2100

Home/cell phone: Please leave a message on the voice mail of my office phone number or communicate via email.

Important note about emailing: For all email correspondences please begin your subject line with MBA5368. Please do not send me emails via Blackboard; email directly to the email address provided above. Please read the syllabus carefully and avoid asking questions that have been answered on the syllabus. In addition, please check your email for an initial welcome message from me, which will be sent through PeopleSoft (i.e. MyStthom). This is to make sure everyone is on the email list. If you do not receive this email please notify me by Sunday, January 24th, 2016.

Where to leave assignments: Instructions for each specific assignment will be provided on Blackboard (see Assignments Section).

3. Course Catalog Description

Topics covered in this course focus on the information systems analysis and design tools, techniques, methodologies and issues. Starting with the systems development process the course covers areas such as problem solving, requirements determination and systems modeling in analysis and design. We will discuss topics such as systems project management, organizational change, global systems and other related topics at a depth. The course has activities to improve team skills and will have a significant amount of class discussions and presentations.

4. Program Goals

The Masters of Business Administration program has six goals.

When students complete the MBA degree at the University of St. Thomas:

Goal 1. They will be effective communicators.
- Objective 1: Graduates will deliver a compelling oral presentation.
- Objective 2: Graduates will write professional quality documents.
Goal 2. They will be effective team members.
- Objective 1: Graduates will demonstrate appropriate group techniques to participate in a team task that results in effective performance.
- Objective 2: Graduates will demonstrate effective leadership skills in a group project.

Goal 3. They will be ethical decision makers.
- Objective 1: Graduates will recognize the ethical issues implicit in a business situation.
- Objective 2: Graduates will describe and use ethical frameworks applicable to business situations.
- Objective 3: Graduates will develop a variety of ethical alternatives for resolving or at least addressing, a problem in business.

Goal 4. They will be globally aware.
- Objective 1: Graduates will perform a global business situation analysis.
- Objective 2: Graduates will formulate global business strategy.
- Objective 3: Students will evaluate global business strategy.

Goal 5. They will be able to integrate knowledge across multiple business disciplines.
- Objective 1: Graduates will identify business problems and opportunities that result from factors internal and external to the organization.
- Objective 2: Graduates will apply quantitative and qualitative techniques from the different business disciplines to address problems and opportunities.

Goal 6. They will be knowledgeable about multiple business disciplines

5. Course Learning Objectives
This course provides opportunities to learn and develop problem solving, communications, analysis and design skills and knowledge necessary for systems analysts.
- Communicate systems solutions and major topics and issues in systems analysis and design professionally, orally and in writing. (Goals 1, 2, and 5).
- Demonstrate problem solving, critical thinking, analysis and creating new solutions in business and global environments. (Goals 4, 5 and 6).
- Demonstrate effective teamwork in contributing to team-based activities: problem solving, issue presentations/discussions and systems project (Goal 2, 4, 5 and 6).
- Discuss and analyze important ethical and societal implications of systems development processes (Goal 3).

6. Texts, Readings, Materials

Required Textbook:
Title Systems Analysis and Design
Author Rosenblatt
ISBN 1285171349
Publisher Cengage Learning

Student Companion Site:
www.cengagebrain.com (CourseMate access needed)
Suggestions for further study:
A list of online resources relevant to information systems is provided below. These are merely some options presented to students and do not represent my endorsement of the views presented at these sites.

- Project Management: http://www.pmi.org/
- Computer World www.computerworld.com/
- CIO Magazine (http://www.cio.com/)
- Wired (http://www.wired.com/)
- Digg.com (http://www.digg.com)

Academic databases available in the library contain articles that examine different aspects of this area. I recommend
- Academic Search Premier
- Business Source Premier

For more information about library resources, check the Doherty library site and the ResearchGuide.

Resources
The Blackboard Resource Sites for Graduate and Undergraduate Students
- These sites include resources recommended by CSB faculty and librarians for CSB students.
  a. All grad and undergrad students are enrolled in the respective BB courses at the beginning of the semester. If students do not have access to the Resource site, please send an email to Ms. Reed (reedm1@stthom.edu) or Ms. Cervantes (cervant@stthom.edu).
  b. Students need not contact the IT Department for access to these sites. Once the initial setup is completed by the IT Department at the beginning of the semester, additional students are added to the courses manually at CSB.

7. Instructional methods:
We will use a combination of lectures, group discussions, case analyses, problem solving and presentations in this class. Students are required to come prepared to every class by reading the text (book chapter, articles, etc.) assigned and participate in class discussions. About 30% of this class is conducted online. While the instructor will guide the students for this portion of the class, students are expected to take lead in learning the assigned material and completing the online assignments. Both in-class and online participation are extremely essential to be successful in this class.

8. Use of Technology
  2) Online data retrieval and/or research:
    - Web search and information retrieval for various assignments
    - ResearchGuide of the Doherty Library
      Library self-help tutorials for students at http://doherty.libguides.com/tutorials
  3) Online communication or collaboration
    - Stthom email account will be used for course-related communication
  4) Use of general productivity software (e.g., Microsoft Office) to complete assignment
    - Microsoft Office applications used to complete assignments
      Microsoft Office self-help tutorials for students at http://www.stthom.edu/Offices_Services/Offices/Information_Technology/Services/Training/Microsoft_Products.aqf
5) **Use of BlackBoard learning platform**
   - Course syllabus, assignment directions, and other information available on Blackboard
   - Blackboard self-help tutorials for students at [http://www.stthom.edu/Offices_Services/Offices/Information_Technology/Services/Training/Student_Tutorials.aqf](http://www.stthom.edu/Offices_Services/Offices/Information_Technology/Services/Training/Student_Tutorials.aqf)

9. **Course Tentative Schedule:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Course Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Jan 20</td>
<td>Course Overview</td>
</tr>
</tbody>
</table>
| 2 Jan 27   | **Chapters 1:** Introduction to Systems Analysis and Design  
             **Chapter 2:** Analyzing the Business Case |
| 3 Feb 03   | **Chapter 3:** Managing Systems Projects            |
| 4 Feb 10   | **Chapter 4:** Requirements Modeling                
             No class-- Online                             |
| 5 Feb 17   | **Chapter 5:** Data and Process Modeling            
             Meeting with ACCT 5331 class to form teams    |
| 6 Feb 24   | **EXAM 1**                                           |
| 7 Mar 02   | **Chapter 7:** Development Strategies                
             No Class-- Online                              |
| 8 Mar 09   | **Chapter 6:** Object Modeling                      |
| 9 Mar 16   | **Chapter 8:** User Interface Design                 
             No Class—Online                                 |
| 10 Mar 21-26| No Class – Spring Break                             |
| 11 Mar 30  | **EXAM 2**                                           |
| 12 Apr 06  | **Chapter 9:** Data Design                          |
| 13 Apr 13  | **Chapter 10:** Systems Architecture                |
| 14 Apr 20  | **Chapters 11:** Managing Systems Implementation     
             **Chapter 12:** Managing Systems Support and Security  
             No Class-- Online                                |
| 15 Apr 27  | **Chapters 11:** Managing Systems Implementation     
             **Chapter 12:** Managing Systems Support and Security |
| May 11     | **Final Exam**                                      |
*The above schedule and procedures in this course are subject to change at the discretion of the instructor. The students are required to check their emails and Blackboard for notifications. Please also check Blackboard for the most up-to-date syllabus, exam review sheets, and other documents.

10. Course Policies

- **Attendance/timeliness**
  Attendance will be taken in every class meeting. Students are expected to attend every class and arrive on time. Tardiness and/or absence from a class will negatively affect your grade in different ways:
  - If an assignment is completed in class on a date that you will miss the class, you will lose the grade for that assignment.
  - Full and meaningful participation in every session is required from each student. Participation is key for this class and its grade will be based on attendance as well as participating in class discussions. In-class citizenship behavior will also affect participation grade. Distracting behavior such as talking to other students during lectures, browsing the web, texting, etc. will affect the participation grade negatively. Failing to participate in online discussions and completing the on-line assignments by due date will negatively affect the participation grade (and the grade of the assignment).
  - If a student misses a class, it is entirely his/her responsibility to obtain information about the topics covered and important announcements made during a session from other students. My suggestion is to ask more than one student to be sure you understand what was covered/announced in the class.

- **Missed Assignments**
  Assignments are due on the dates specified in assignment direction. Missed assignments may be accepted with grade penalty, at the discretion of the instructor. If accepted, penalty as shown below will be applied.

<table>
<thead>
<tr>
<th>Late Submission</th>
<th>Penalty</th>
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<tbody>
<tr>
<td>Any time after submission deadline to 1 day late</td>
<td>90% of assignment grade</td>
</tr>
<tr>
<td>More than 1 day, but less than 3 days late</td>
<td>70% of assignment grade</td>
</tr>
<tr>
<td>More than 3 days, but less than 1 week late</td>
<td>50% of assignment grade</td>
</tr>
<tr>
<td>More than 1 week, but less than 2 weeks late</td>
<td>25% of assignment grade</td>
</tr>
<tr>
<td>More than 2 weeks late</td>
<td>0%</td>
</tr>
</tbody>
</table>

11. Student Grading Processes: (including weighting of factors)

**Assignments/Tests:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams (3 exams, each 15%)</td>
<td>45%</td>
</tr>
<tr>
<td>Case Analysis (Group project)</td>
<td>36%</td>
</tr>
<tr>
<td>Online project (Group project in conjunction with ACCT 5331 class)</td>
<td>4%</td>
</tr>
<tr>
<td>In-class participation (individual)</td>
<td>5%</td>
</tr>
<tr>
<td>*Online assignments/participation (individual)</td>
<td>10%</td>
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</tbody>
</table>

*Detailed instruction on assignments will be posted on Blackboard.

**Instructions for readings and assignments/discussion boards/etc. for online portion of the class will be posted on blackboard and communicated in class the session before.
Grading Scale for this Course:

A = 93 to 100  
A- = 90 to 92.9  
B+ = 88 to 89.9  
B = 83 to 87.9  
B- = 80 to 82.9  
C+ = 78 to 79.9  
C = 73 to 77.9  
C- = 70 to 72.9  
F = Below 70

12. Available Support Services:

- **Tutorial Services Center**
  The Tutorial Services Center is a tutorial center, and is available free of cost to all UST students. Writing consultants and subject tutors are available when the center is open. The schedule is available at [http://www.stthom.edu/Offices_Services/Offices/Tutorial_Services_Center/HoursSchedule.agf](http://www.stthom.edu/Offices_Services/Offices/Tutorial_Services_Center/HoursSchedule.agf)
  Students are encouraged to consult with tutors at the Tutorial Services Center when completing written assignments for this course. Based on the instructor's assessment of the student's written work, the student may be required to work with the tutors at the Tutorial Services Center to improve the student's writing skills.

- **Information Technology Services**

**Mission Statement**
Inspired by the Basilian Fathers’ motto of Goodness, Discipline and Knowledge, the Cameron School of Business provides a comprehensive, high quality, ethically-oriented business education to a diverse student body enabling graduates to serve as leaders of faith and character in a global economy.

**Academic Honesty**
Ethical conduct is essential to a community of scholars and students searching for truth. Anything less than total commitment to honesty and honorable conduct undermines the efforts of the entire community. Academic integrity lies at the very heart of any institution of higher learning. In the Cameron School of Business, students and faculty are expected to commit to a code that exemplifies each individual's honor and integrity. Any conduct that violates this standard and betrays the respect of others is a matter of grave concern and, accordingly, is deemed unacceptable.

**Accommodations**
The University of St. Thomas abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulates that no student shall be denied the benefits of an education "solely by reason of a handicap." If you have a documented disability that may impact your performance in this class and for which you may require accommodations, you must be registered with and provide documentation of your disability to Counseling and Disability Services which is located on the second floor of Crocker Center. Contact Debby Jones or Rose Signorello at 713-525-6953 or 713-525-3162. In addition, any student with a documented disability needing academic adjustments or accommodations in this course should contact me in a timely manner, so that such accommodations may be provided. All discussions will remain confidential.