



**Course** MIS 6308/ ACCT 6340 Systems Analysis and Project Management  
**Instructor** Prithi Narasimhan  
**Term** Fall 2016

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### Course Information

**Course Number/ Section** MIS 6308.501 (ACCT 6340.501)  
**Course Title** Systems Analysis and Project Management  
**Term** Fall 2016  
**Days and Times** Tuesdays 7:00 PM to 9:45 PM.  
Except Fall Break and Thanks Giving Holidays (Monday, 21<sup>st</sup> Nov to Saturday, 26<sup>th</sup> Nov)  
**Exam Dates** Exam 1: 11<sup>th</sup> October  
Exam 2: 6<sup>th</sup> December  
**Location** JSOM 11.206

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### Instructor Contact Information

**Instructor** Prithi Narasimhan  
**Office Phone** (972) 883-5007  
**Email Address** Please use e-learning to contact me - Course Messages  
**Office Location** JSOM 3.811  
**Office Hours (By appointment)** Tuesdays - 12:00 PM to 1:30 PM and 5:30 PM to 6:30 PM  
Wednesdays - 11:45 AM to 12:45 PM  
Thursdays - 11:30 PM to 12:30 PM  
Fridays - 2:45 PM to 3:45 PM

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### Teaching Assistant Contact Information

**Teaching Assistant** Kalpen Patel  
**Email Address** kxp154230@utdallas.edu  
**Office Hours** TBA  
**Office Location** TBA

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### Prerequisite or Corequisite

MIS 6320 or MIS 6326.

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### Course Description

To provide the student with an in-depth knowledge of object oriented systems analysis and design procedures. Software project management techniques will be covered. At the end of the course, the student will be able to analyze business situations and design computer based information systems

using object-oriented methodologies. (3 semester hours)

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#### Learning Outcomes

1. Understand object oriented analysis and design methods.
2. Be able to model an information system using Unified Modeling Language (UML) diagrams.
3. Be able to analyze an existing system and identify the causes of an information related problem, and design a new system to mitigate these problems.
4. Understand the unique issues of managing information systems development projects.

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#### Required Texts & Materials

1. Object-Oriented Systems Analysis and Design by Noushin Ashrafi and Hessam Ashrafi, Pearson Prentice-Hall, First Edition, 2009.
2. Information Technology Project Management by Kathy Schwalbe, Cengage Learning, 7th Edition.

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### Recommended Software:

Rational Software Modeler Software or Visual Paradigm, which can be downloaded from [ibm.com](http://ibm.com) for a trial period. You can use other software like Visio, if you are more comfortable using that software. Visio is available in the computer labs.

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### Course Schedule

This is a **tentative** class schedule; changes to the schedule will be posted in eLearning. The descriptions and timelines contained in the syllabus are subject to change at the discretion of the Professor. There are 15 meetings in this course including the two exams. The following gives a tentative outline and sequence of the topics to be covered or the activities to take place (exams or assignments) in these meetings. Assignments are due at the beginning of class; for example, an assignment due in Class 2 should be submitted through eLearning before the start of Class 2.

| Date                        | Meeting #<br>/ Week | Topic                                                                                                                                         | Assignment Due                                                                      | References                                                                                              |
|-----------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Tuesday, August 23, 2016    | 1                   | <ul style="list-style-type: none"> <li>Intro to Project Management Information Systems</li> </ul>                                             |                                                                                     | <ul style="list-style-type: none"> <li>Ashrafi - Chapter 1</li> <li>Schwalbe - Chapter 1</li> </ul>     |
| Tuesday, August 30, 2016    | 2                   | <ul style="list-style-type: none"> <li>Methodologies</li> <li>Project Management and IT</li> </ul>                                            |                                                                                     | <ul style="list-style-type: none"> <li>Ashrafi - Chapter 3</li> <li>Schwalbe - Chapter 2</li> </ul>     |
| Tuesday, September 6, 2016  | 3                   | <ul style="list-style-type: none"> <li>OO Concepts</li> </ul>                                                                                 | <ul style="list-style-type: none"> <li>Group Project 1: Project Proposal</li> </ul> | <ul style="list-style-type: none"> <li>Ashrafi - Chapter 2</li> </ul>                                   |
| Tuesday, September 13, 2016 | 4                   | <ul style="list-style-type: none"> <li>PM Process Groups</li> <li>Project Integration Management</li> <li>Project Scope Management</li> </ul> | <ul style="list-style-type: none"> <li>Assignment 2: OO Concepts</li> </ul>         | <ul style="list-style-type: none"> <li>Schwalbe - Chapter 3, 4 and 5</li> </ul>                         |
| Tuesday, September 20, 2016 | 5                   | <ul style="list-style-type: none"> <li>Requirements</li> <li>Behavior Modeling using Use Cases</li> </ul>                                     | <ul style="list-style-type: none"> <li>Assignment 3: PM Concepts</li> </ul>         | <ul style="list-style-type: none"> <li>Ashrafi - Chapter 4, 6</li> </ul>                                |
| Tuesday, September 27, 2016 | 6                   | <ul style="list-style-type: none"> <li>Behavioral Modeling II: Developing Use Cases</li> <li>Structural Modeling: Class Diagrams</li> </ul>   | <ul style="list-style-type: none"> <li>Group Project 2</li> </ul>                   | <ul style="list-style-type: none"> <li>Ashrafi- Chapter 7, 8</li> </ul>                                 |
| Tuesday, October 4, 16      | 7                   | <ul style="list-style-type: none"> <li>Dynamic Modeling</li> </ul>                                                                            | <ul style="list-style-type: none"> <li>Assignment 4: Class Diagrams</li> </ul>      | <ul style="list-style-type: none"> <li>Ashrafi- Chapter 9</li> </ul>                                    |
| Tuesday, October 11, 2016   | 8                   | Exam 1                                                                                                                                        |                                                                                     |                                                                                                         |
| Tuesday, October 18, 2016   | 9                   | <ul style="list-style-type: none"> <li>Design</li> <li>Proj Time Management</li> </ul>                                                        |                                                                                     | <ul style="list-style-type: none"> <li>Ashrafi- Chapter 10, 11</li> <li>Schwalbe - Chapter 6</li> </ul> |
| Tuesday, October 25, 2016   | 10                  | <ul style="list-style-type: none"> <li>Project Cost Management</li> <li>Project HR Management</li> </ul>                                      | <ul style="list-style-type: none"> <li>Assignment 5: CPA</li> </ul>                 | <ul style="list-style-type: none"> <li>Schwalbe - Chapter 7 and 9.</li> </ul>                           |

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|----------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Tuesday, November 1, 2016  | 11 | <ul style="list-style-type: none"> <li>• UI Design</li> <li>• App Design</li> </ul>                                                 | <ul style="list-style-type: none"> <li>• Group project 3</li> <li>• Assignment 6: EVM</li> </ul> | <ul style="list-style-type: none"> <li>• Ashrafi- Chapter 12, 13</li> <li>• Schwalbe - Chapter 13</li> </ul>        |
| Tuesday, November 8, 2016  | 12 | <ul style="list-style-type: none"> <li>• Software Testing</li> <li>• Proj Quality Mgmt</li> <li>• Procurement Management</li> </ul> | <ul style="list-style-type: none"> <li>• Assignment 7: DB Design</li> </ul>                      | <ul style="list-style-type: none"> <li>• Ashrafi- Chapter 17</li> <li>• Schwalbe - Chapter 8, Chapter 12</li> </ul> |
| Tuesday, November 15, 2016 | 13 | <ul style="list-style-type: none"> <li>• Project Comm Management</li> <li>• Risk Management</li> </ul>                              |                                                                                                  | <ul style="list-style-type: none"> <li>• Schwalbe - Chapter 10, Chapter 13</li> </ul>                               |
| Tuesday, November 22, 2016 |    | ***** Fall Break *****                                                                                                              |                                                                                                  |                                                                                                                     |
| Tuesday, November 29, 2016 | 14 | Information Systems Security and Analysis                                                                                           |                                                                                                  | Slides                                                                                                              |
| Tuesday, December 6, 2016  | 15 | Exam 2                                                                                                                              |                                                                                                  |                                                                                                                     |

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### Assignment Guidelines

- All reading is to be completed before class on the date posted.
- All assignments must be submitted at the beginning of class.
- Assignments must adhere to the APA style guide of formatting, citing, and referencing.
- Descriptions of assignments will be posted as they are assigned.
- The exams will consist of multiple choice, fill-in-the-blank, and short essay questions. Exam (II) is not comprehensive. Make-up exams, if approved by the instructor, will be in the form of essays.
- No extra credit assignments are available.
- General grading criteria can be found in eLearning. Assignment specific grading criteria will be included with the assignment instructions.
- All assignments carry equal weight irrespective of the number of points assigned for a given assignment. Assignments will be scaled at the end of the semester when grades are calculated.
- **All assignments will be submitted via eLearning. I do *not* accept assignments via email. If you submit an incorrect assignment or need to resubmit your assignment in eLearning you will be allowed to resubmit as long as it is before the due date. Send me an email prior to the due date and I will clear your submission. Upon doing so, you will be able to resubmit.**

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### Grading

This course will feature a mix of activities and written and verbal assignments that may be in class or on campus. Homework will include readings from the text, assignments, and activities that usually require the student to complete some type of task. The instructor will provide detailed instructions as well as the grading criteria for each assignment. Please consult the course schedule for deadlines.

**Grading Scheme**

| <b>Grade Component</b> | <b>Percentage</b> |
|------------------------|-------------------|
| Assignments            | 35%               |
| Exams                  | 35%               |
| Group Project          | 25%               |
| Class Participation    | 5%                |
| Total                  | 100%              |

**Scoring**

| <b>Final Percentage Total</b> | <b>Letter Grade</b> |
|-------------------------------|---------------------|
| >=93                          | A                   |
| >=89 and < 93                 | A-                  |
| >= 85 and < 89                | B+                  |
| >= 81 and < 85                | B                   |
| >=77 and < 81                 | B-                  |
| >=74 and < 77                 | C+                  |
| >=71 and < 74                 | C                   |
| >=68 and < 71                 | C-                  |
| >=65 and < 68                 | D+                  |
| >=62 and < 65                 | D                   |
| < 62                          | F                   |

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**Course & Instructor Policies**

**eLearning** will be used for class content (e.g., class slides and assignment descriptions) and the recording of grades. Slides will be posted before class. Class announcements (e.g., change in assignment dates) will also be posted.

**Instructor Response Policy:** The instructor will respond to all student inquiries (emails, voice messages, etc.) within 48 hours (excluding holidays and weekends).

**Attendance Policy/ Class Participation:** Positive contributions to the class in terms of insightful comments or discussion (not just any relevant comment) in class at the appropriate times will be rewarded. Disruptive activities (using mobile phones in class, unnecessary talking with each other while the class is in progress, walking out of class abruptly while the class is in progress, walking into class late multiple times etc.) will be penalized. Barring these clearly positive and negative contributions to the class, one can expect to obtain 8 out of the 10 points meant for class participation. Attendance, by itself, is not directly given credit.

**Late Work:** All assignments are due at the beginning of class (not during and not after), on the specified date. I do not accept late assignments unless *prior* arrangements have been made with the instructor.

**Academic Integrity:** The University is committed to academic excellence and expects academic honesty from all members of the University community and believes that it is essential for academic excellence and integrity. Academic honesty includes adherence to guidelines established by the instructor in a particular course for both individual and group work. It prohibits representing the work of others to be one's own (plagiarism); receiving unauthorized aid on an assignment (cheating); and using similar papers or other work products to fulfill the obligations of different classes without the instructor's permission. Penalties for academic dishonesty may include a grade of "F" on the work in question or for the course. In addition, any student engaged in academic dishonesty will be subject to disciplinary action. Please refer to the General Policies website (see below) for detailed information pertaining to academic dishonesty, including procedures for determining disciplinary action.

**WORKING TOGETHER on Individual Assignments:** This course will have a considerable amount of computing work for application assignments. Each student, is expected to do their own work on the "individual" assignments. Copying another student's work (computer files) or having another person do your work is scholastic dishonesty and will be dealt with accordingly.

**Makeup Exams:** I do not give make-up exams unless a student presents convincing proof of conditions that prevent him/her from taking the exam at the scheduled time.

**Lap-tops:** The use of lap-tops will not be permitted during the class or during the exams, unless there is a group project that needs to be presented in the class.

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### General Policies & Procedures

For information regarding general University policies and procedures, please go to <http://go.utdallas.edu/syllabus-policies>. These policies include the following:

- Technical Support
- Field Trip Policies, Off-Campus Instruction and Course Activities
- Student Conduct and Discipline
- Academic Integrity
- Copyright Notice
- Email Use
- Withdrawal from Class
- Student Grievance Procedures
- Incomplete Grade Policy
- Disability Services

- Religious Holy Days
- Avoiding Plagiarism