



**Course** MIS 6308  
**Professor** Sriram Sivaramakrishnan (Sri Siva)  
**Term** Spring 2023

**Meetings** Mon & Wed 8:30 am – 9:45 am, JSOM 12.210

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### PROFESSOR'S CONTACT INFORMATION

<b>Office location</b>	JSOM
<b>Email address</b>	sxs230045@utdallas.edu
<b>Office hours</b>	Email professor to schedule
<b>Teaching Assistant</b>	Raga Rasagna Paruchuri ( <a href="mailto:RagaRasagna.Paruchuri@UTDallas.edu">RagaRasagna.Paruchuri@UTDallas.edu</a> )
<b>Communications</b>	<p>The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. <u>The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account.</u> This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. Using your personal email address is <b>STRONGLY</b> discouraged, due to security and spam blocking concerns</p> <p>Announcements, assignments, and grades will be posted in eLearning. Microsoft TEAMS will be used for virtual meetings and recordings.</p>

### GENERAL COURSE INFORMATION

<b>Pre-requisites, Co-requisites, &amp; Other Restrictions</b>	MIS 6320 or MIS 6326
<b>Course Description</b>	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)
<b>Learning Outcomes</b>	<ol style="list-style-type: none"><li>1. Understand object-oriented analysis and design methods.</li><li>2. Be able to model an information system using Unified Modeling Language (UML) diagrams</li><li>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</li><li>4. Understand the unique issues of managing information systems development projects.</li></ol>

<p><b>Required Texts &amp; Materials</b></p>	<p>Textbook (check with bookstore and eLearning for electronic versions):          “Systems Analysis and Design in a Changing World” by John Satzinger, Robert Jackson, and Stephen Burd, Cengage Learning, Seventh Edition.          ISBN-13: 9781305117204</p> <p>UT Dallas has a university license for <a href="#">LinkedIn Learning</a>, a learning platform that offers thousands of high-quality educational videos for learners studying business, software, technology, and creative skills, free of charge to students. Students may use LinkedIn Learning to build on their skills and knowledge developed in this course, which will be accessed through the course <a href="#">eLearning</a> website.</p> <p>Software and Downloads and other materials (<a href="#">UTD Free Student Software Downloads</a>):</p> <ul style="list-style-type: none"> <li>• Microsoft Office 365 (required) – Downloaded via University Web Site (free)</li> <li>• Microsoft Visio and Project – Downloaded via University OIT Web Site (free)</li> </ul> <p>TOGAF 9 Enterprise Architecture material available at <a href="http://www.opengroup.org/togaf/">http://www.opengroup.org/togaf/</a></p> <p>Business Process Model Notation available at <a href="http://www.bpmn.org/">http://www.bpmn.org/</a></p> <p>You may use Rational Software Modeler Software or Visual Paradigm or Microsoft Visio (preferred). Rational Software Modeler can be downloaded for a limited trial period from <a href="http://www.ibm.com">www.ibm.com</a>. It is also available in SOM computer lab.</p> <p>Visual Paradigm can be downloaded for a 30-day trial period or can be subscribed on a monthly basis (the modeler edition which carries a fee of \$6 per month is mostly sufficient for the class). Visual Paradigm has free online instructional videos. The total duration for all lessons is 6 hours, Check out <a href="https://www.udemy.com/visual-paradigm-essential/">https://www.udemy.com/visual-paradigm-essential/</a></p>
<p><b>Technical Requirements</b></p>	<p>Students are required to have a web-enabled computing device for <u>every class</u>, since class activities and tests will utilize e-Learning. Please see the instructor as soon as possible if you do not have access to the required type of device.</p>

## TENTATIVE CALENDAR, ASSIGNMENTS and KEY DATES<sup>1</sup>

Spring 2023

Mondays and Wednesdays, 8:30 to 9:45 am Room JSOM 12.210

<b>Wk</b>	<b>Date</b>	<b>Material to be Covered</b>	<b>Readings</b>	<b>Activities<sup>2</sup></b>
<b>1</b>	Jan 18	Intro to the Course Overview of Systems Analysis and Design	Chapter 1	
<b>2</b>	Jan 23	No class		Reading assignment will be provided
	Jan 25	No class		
<b>3</b>	Jan 30	System Development Approaches Object Oriented Development	Chapter 10 Chapters 4,12	Project Proposal
	Feb 1	System Development Approaches Object Oriented Development	Chapter 10 Chapters 4,12	Project Proposal
<b>4</b>	Feb 6	Managing Projects	Chapter 11,C, Notes	Project Vision Statement
	Feb 8	Managing Projects	Chapter 11,C, Notes	Project Vision Statement
<b>5</b>	Feb 13	Gather Requirements from User Stories and Use Cases	Chapter 2,3	Project High Level WBS
	Feb 15	Gather Requirements from User Stories and Use Cases	Chapter 2,3	Project High Level WBS
<b>6</b>	Feb 20	Process Modeling – BPMN	Handouts	
	Feb 22	Process Modeling – BPMN	Handouts	
<b>7</b>	Feb 27	Use Case Modeling	Chapter 4	Project Use Case and Activity Diagrams
	Mar 1	Use Case Modeling	Chapter 4	Project Use Case and Activity Diagrams
<b>8</b>	<b><u>Mar 6-9</u></b>	<b><u>Exam 1 – Testing Center</u></b>		
	Mar 8	Project Work (Remote – No Lecture)		Interim Project Review

*The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.*

<sup>1</sup> Any changes to this schedule will be announced in class or through eLearning and it is the student's responsibility to keep track of them.

<sup>2</sup> Specific topics and due dates for individual assignments will be described as each is posted in eLearning.

<b>Wk</b>	<b>Date</b>	<b>Material to be Covered</b>	<b>Readings</b>	<b>Activities<sup>2</sup></b>
	<b><u>Mar 13-19</u></b>	<b><u>Spring Break – No Class</u></b>		
<b>9</b>	Mar 20	Data Modeling	Chapter 5	
	Mar 22	Data Modeling	Chapter 5	
<b>10</b>	Mar 27	UML Fundamentals, BPMN Simulation	Handouts	
	Mar 29	UML Fundamentals, BPMN Simulation	Handouts	
<b>11</b>	Apr 3	Objects, and Dynamic Modeling	Handouts (Chapters 9,12,13)	
	Apr 5	Objects, and Dynamic Modeling	Handouts (Chapters 9,12,13)	
<b>12</b>	Apr 10	User Interface	Handouts	Project UML and Architecture Complete (Communication, SSD, State, etc.)
	Apr 12	User Interface	Handouts	Project UML and Architecture Complete (Communication, SSD, State, etc.)
<b>13</b>	Apr 17 and 19	Managing Projects 2, Deployment and Testing	Handouts Chapter 11,C,14	Draft of Complete Project
<b>14</b>	Apr 24 and 26	Managing Projects 2 (Cont.)	Handouts	Project Presentation (video and documents) posted to Discussion Board by Apr 30
<b>15</b>	<b><u>May 1-3</u></b>	<b><u>Exam 2 – Testing Center</u> (No Cumulative Final During Finals Week)</b>		<b><i>Final Project Documentation due May 5</i></b>

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<sup>2</sup> Specific topics and due dates for individual assignments will be described as each is posted in eLearning.

## CLASS POLICIES

<b>Instructional Mode</b>	As described in the Coursebook, the class will be held in-class, in-person modality. There is no asynchronous option.
<b>eLearning and Course Platforms</b>	<p>This course can be accessed using your UT Dallas NetID account on the <a href="#">eLearning</a> website. Please see the course access and navigation section of the <a href="#">Getting Started with eLearning</a> webpage for more information. To become more familiar with the eLearning tool, please see the <a href="#">Student eLearning Tutorials</a> webpage.</p> <p>The course will utilize the following platforms:</p> <ul style="list-style-type: none"> <li>• <b>eLearning</b> will be used for all class content (e.g., class slides and assignment descriptions), exams, and the recording of grades. Slides will be posted before class is held. Class announcements (e.g., change in assignment dates) will be sent to the student email on record in eLearning, and posted in eLearning.</li> <li>• It is the students' responsibility to regularly check their UTD email accounts and the eLearning page for this course.</li> <li>• Microsoft TEAMS may be utilized for live communications</li> <li>• Recorded (and annotated) lectures and other communications may be available on Microsoft TEAMS, as well</li> </ul> <p>Active links to TEAMS will be available in the eLearning web site.</p> <p>In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the <a href="#">Getting Started with eLearning</a> webpage.</p> <p>UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The <a href="#">eLearning Support Center</a> includes a toll-free telephone number for immediate assistance: (1-866-588-3192), email request service, and an online chat service.</p>
<b>Class Attendance and Participation</b>	<p><b>ATTENDANCE IS EXPECTED.</b> Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class, through periodic quizzes, discussion, and engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs).</p> <p>Attendance will be taken periodically and used in consideration for the Participation grade; however, this grade will also reflect the instructor's judgment of the value of contributions to class discussion. <b>There is no makeup for missed in-class assignments and/or quizzes.</b></p> <p>Successful participation is defined as consistently adhering to university requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the <a href="#">Student Code of Conduct</a>.</p>
<b>Class Recordings and Materials</b>	<p>Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the <a href="#">Student Code of Conduct</a>.</p> <p>The instructor may provide class materials and/or record meetings of this course. These materials and recordings will be made available to all students registered for this class if the intent is to supplement the classroom experience. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law.</p>

<p><b>Grading</b></p>	<p>This course will feature a mix of activities and written assignments that may be in class or on campus. Homework will include readings from research materials, assignments, and activities that usually require the student to complete some type of task. Projects will also require outside research. The instructor will provide detailed instructions as well as the grading criteria for each assignment. Please consult the course schedule for deadlines.</p> <p>Your grade will be based on the total score of the following:</p> <ul style="list-style-type: none"> <li>• 2 Exams: (20% each = 40%). The exams are not cumulative.</li> <li>• Individual Assignments: (30%), Group Project: (20%)</li> <li>• Attendance, Participation, Discussion Boards, and Quizzes: (10%).</li> </ul> <p>Resulting in a letter grade of:</p> <ul style="list-style-type: none"> <li>• 93% and above = A</li> <li>• 90% &lt; 93% = A-</li> <li>• 87% &lt; 90% = B+</li> <li>• 83% &lt; 87% = B</li> <li>• 80% &lt; 83% = B-</li> <li>• 77% &lt; 80% = C+</li> <li>• 73% &lt; 77% = C</li> <li>• 70% &lt; 73% = C-</li> <li>• Below 70% = F</li> </ul> <p>All grades will be posted as available, in eLearning throughout the term.</p>
<p><b>Exams</b></p>	<p>Exams are scheduled well in advance. Missing an exam results in a score of zero. Make-up exams will be given only for <u>justified</u> situations; discuss it with the instructor <b>BEFORE</b> the scheduled exam. If you contact the instructor after the exam, it is considered missing the exam, and no credit will be given for missed exams.</p> <p>If participating asynchronously and unable to take the exam at its regularly scheduled date and time, the student <b>MUST</b> contact the instructor prior to its regular schedule to arrange a specific date/time to take the exam.</p> <p>Exams may be proctored, in which case specific instructions will be provided. Note that proctored remote exams might require the student to have a broadcasting webcam.</p>

<p><b>Quizzes, Discussion Boards, Assignments and Projects</b></p>	<p>Assignments will generally be posted well in advance of their due date, depending on our progress in the class. Assignment specific grading criteria will be included with the assignment description and instructions.</p> <p>Quizzes and Discussion Boards will be used throughout the course and constitute the participation component of the final grade. There will be no make-up for missed quizzes or discussion boards.</p> <p>All assignments will be submitted for grading into eLearning before the due date and time posted. The assignment posting link in eLearning will not be available after the due date and time.</p> <p><b><u>NEITHER LATE SUBMISSIONS NOR HOMEWORK ASSIGNMENTS SENT BY EMAIL WILL BE ACCEPTED AND THUS WILL NOT BE GRADED</u></b> unless prior arrangements are made and verified with the instructor. There will be no make-up assignments, nor considerations for last-minute technical difficulties preventing submissions to eLearning, so plan ahead. Students may submit (and resubmit, as it is before the due date) interim work into eLearning, to ensure their work will be graded.</p> <p>Written assignments must adhere to the APA style guide of formatting, citing, and referencing.</p> <p><b>DO NOT CHEAT and DO NOT PLAGIARIZE. All individual assignments and exams are to be individual efforts. You may collaborate with other students, or to discuss homework or assignments with other students prior to submission. Copying of homework, assignments, or exams, in whole or in part, from other students or from assignments from previous semesters, or from non-university web sites will be considered an act of academic dishonesty. Posting class work on public web sites is also considered an act of academic dishonesty.</b></p> <p>You are encouraged to ask questions, raise issues, and make observations about homework; please be advised that if you have a question or issue with your assignment grade, your entire assignment is subject to re-review (re-grading) which may or may not result in additional point deductions.</p>
<p><b>Classroom Citizenship</b></p>	<ol style="list-style-type: none"> <li>i. <u>Class begins on time.</u> Please maintain class decorum and be respectful towards fellow students in the class. If you have a doubt or misunderstanding regarding course work, feel free to discuss it with your instructor.</li> <li>ii. <u>Using your phone during class is not permitted and it is rude.</u> Keep it on silent at all times. No texting. Offenders will be asked to turn off their phones. If this is a recurring problem, students will be asked to give their phones to the instructor which will be returned at the end of the class session. <b>No pictures or video during class time</b>, unless approved by the instructor -- it distracts everyone, and it is a violation of privacy.</li> <li>iii. <u>Use of tablets is allowed</u>, if they are used to read the textbook, or the class notes.</li> <li>iv. <u>These rules will be enforced.</u></li> </ol>
<p><b>Comet Creed</b></p>	<p>This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:</p> <p><i>"As a Comet, I pledge honesty, integrity, and service in all that I do."</i></p>
<p><b>Special Assistance</b></p>	<p>For help you succeed in the class, the following resources are available: Your instructor, TA for the Class, Student Success Center (MC1.302), Student Counseling Center (SSB 4.600), New Student Programs Office (SSB 3.600) among other resources. Of course, a myriad of free resources is available on the internet.</p> <p>The information contained in the following link lists the University's academic support resources for all students. Please go to <a href="http://go.utdallas.edu/academic-support-resources">http://go.utdallas.edu/academic-support-resources</a>.</p> <p>The <a href="#">Office of Information Technology</a> offers support via phone, chat, Atlas ticket, Knowledge Base, and in person at the TechKnowledge Bar and our computer labs.</p>
<p><b>UT Dallas Syllabus Policies and Procedures</b></p>	<p>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.</p> <p>Please go to <a href="http://go.utdallas.edu/syllabus-policies">http://go.utdallas.edu/syllabus-policies</a> for these policies.</p>