



Course MIS 6364.501
Professor Ravi Narayan
Term Fall 2018
Meetings Monday : 7:00pm-9:45pm JSOM 2.901

Professor's Contact Information

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Office Hours Monday 5:45pm-6:45pm
Other Information Please send me an email if you would like to discuss class-related topics outside office hours to set up a mutually convenient time and meet on-campus
TA Deepima Pathania Deepima.Pathania@utdallas.edu

General Course Information

Pre-requisites, Co-requisites, & other restrictions -

Course Description Companies, big and small, are radically transforming themselves to become digital enterprises that are agile, nimble and competitive in the digital world. This transformation requires the strategic integration of digital technologies into all areas of the business that then drives the optimization of business operations to deliver value to customers. The Enterprise Architecture (EA) course focuses on the development of models, roadmaps and blueprints for digital transformation and draws upon best practices from TOGAF and IT4IT. The course helps students understand how EA practices can help the analysis and design of an enterprise in its current and future states from a strategy, business, and technology perspective. The emphasis is on the alignment of IT capabilities and resources with business goals and services through the integration of business architecture, data and information architecture, application architecture and technology architecture

Learning Outcomes The objectives of the course are to:

- a. Understand principles and patterns of digital organizations
- b. Understand Enterprise Architecture and its role in corporate strategy and Business-IT alignment
- c. Develop a conceptual understanding of architectural elements used to develop Enterprise IT architecture in the context of cloud computing and service-oriented architecture
- d. Understand TOGAF and its key terms, concepts and focus areas
- e. Examine how Enterprise IT Architecture can support digital transformation of enterprises

Required Texts & Materials 1. Ronald E. Giachetti, *Design of Enterprise Systems: Theory, Architecture, and Methods*, 2016; ISBN-10: 978-1-4398-1823-7

2. Mark W. Johnson, *Reinvent Your Business Model How to seize the White Space for Transformative Growth*, 2018; ISBN-10: 9781633696464
3. Presentations and Notes posted on eLearning course site
4. Harvard Business Publishing CoursePack (TBD)

Recommended Materials

1. Jeanne Ross, Peter Weill and David C. Robertson, *Enterprise Architecture as Strategy*, 2006; ISBN-10: 1591398398
2. Van Haren, *TOGAF Version 9.1*, 2011; ISBN-10: 9087536798
3. Rich Schiesser, *IT Systems Management, Second Edition*, (c)Prentice Hall 2010; **Print ISBN-13: 978-0-13-702506-0; Web ISBN-13: 978-0-13-612352-1**
4. Karl E. Kurbel, *Enterprise Resource Planning and Supply Chain Management - Functions, Business Processes and Software for Manufacturing Companies*, (c) Springer-Verlag Berlin Heidelberg 2013; ISBN 978-3-642-31572-5 ISBN 978-3-642-31573-2 (eBook)
5. K Chandrasekaran, *Essentials of cloud computing*; (c) Chapman & Hall Book - Ebooks Corporation 2015; ISBN: 9781482205442
6. Rick Sturm; Carol Pollard; Julie Craig, *Application Performance Management (APM) in the Digital Enterprise*; (c) Morgan Kaufmann 2017; Web ISBN-13: 978-0-12-804081-2, Print ISBN-13: 978-0-12-804018-8

Assignments & Academic Calendar

The following is a tentative schedule, which I will try to follow as closely as possible. Any changes that become necessary will be announced in class and posted in eLearning course site.

Class Date	Topic(s)	In-class Activities	Pre-class Prep
Aug 20	<ul style="list-style-type: none"> • Course Overview • Book 2.Part One: Business Models for Growth 	<ul style="list-style-type: none"> • Introductions • Group-based Discussion 	<ul style="list-style-type: none"> • Review Syllabus
Aug 27	<ul style="list-style-type: none"> • Book 2.Part One: Business Models for Growth • Book 1. Part One: Enterprise Engineering – Enterprises and Systems 	<ul style="list-style-type: none"> • Group-based Discussion 	<ul style="list-style-type: none"> • Review Textbook chapters and cases
Sep 10	<ul style="list-style-type: none"> • Book 1. Part One: Enterprise Architecture and Design • Methodologies and Frameworks for Enterprise Architecture 	<ul style="list-style-type: none"> • Group-based Discussion 	<ul style="list-style-type: none"> • Review Textbook chapters and cases
Sep 17	<ul style="list-style-type: none"> • Zachmann and TOGAF for Enterprise Architecture 	<ul style="list-style-type: none"> • Group-based Discussion 	<ul style="list-style-type: none"> • Review Textbook chapters and cases
Sep 24	<ul style="list-style-type: none"> • Architecture Development Method, 	<ul style="list-style-type: none"> • Group-based Discussion 	<ul style="list-style-type: none"> Review Textbook chapters and cases

	Guidelines and Techniques		
Oct 1	<ul style="list-style-type: none"> • Quiz 1 • Recap and Review 	•	•
Oct 8	• Book 2. Part Two: New Business Models	• Group-based Discussion	Review Textbook chapters and cases
Oct 15	• Book 1: Part II Developing EA as an Enterprise Project	• Group-based Discussion	• Review Textbook chapters and cases
Oct 22	• Book 1: Part III Developing EA view points from Process, Information and Organization perspectives	• Group-based Discussion	• Review Textbook chapters and cases
Oct 29	<ul style="list-style-type: none"> • Quiz 2 • Recap and Review 	•	•
Nov 1	• Book 2: Part III: Business Model Innovation as a Repeatable Process	• Group-based Discussion	• Review Textbook chapters and cases
Nov 12	• Book 2: Part VI: Integrating Diverse Viewpoints into an EA	• Group-based Discussion	Review Textbook chapters and cases
Nov 19	• No class – Thanksgiving Holiday		
Nov 26	• EA Panel Discussion: Tools and Practice in Real-world		
Dec 3	• Final Presentation and Discussion		

Assignments, case studies and journals will be announced in class and posted in eLearning.

Grading Policy

- 1 Online Self-Intro: 1 point
- 2 Case Study Responses: 160 points
- 2 Quizzes – 60 points
- 4 Journals: 79 points
- **TOTAL:** 300 points

Grade Scale

Scaled Score	Letter Grade
>= 270	A
>= 261 and < 270	A-
>= 249 and < 261	B+
>= 240 and < 249	B
>= 231 and < 240	B-
>= 219 and < 231	C+
>= 200 and < 219	C
Less than 200	F

Course Policies

Make-up Exams	No make-up tests will be offered except on medical grounds. You will be required to provide necessary documentation.
Extra Credit	None
Late Work	All assignments are to be submitted via eLearning. Late submissions can be submitted up to 24 hours after the deadline. Assignments submitted within 24 hours after the due date/time will be subject to a 25% penalty. No late submissions will be accepted 24 hours after the deadline.
Special Assignments	None
Class Attendance	6 percentage points are awarded for attendance. Students are expected to come to class on time and stay for the entire class duration. Students are also expected to actively discuss their viewpoints in class, participate in online discussions and make presentation(s) in class.
Class Attendance	Class attendance and participation will be 10% of the grade – students are expected to actively discuss their viewpoints in class, participate in online discussions and make presentation(s) in class.
Classroom Citizenship	<p>Meaningful Class Participation: You are expected to actively participate in the discussion of readings, contribute to the learning experience of the class, and meaningfully contribute to all group project work. A peer evaluation will be performed to assess group project participation.</p> <p>Respect and Dignity: At UT Dallas we appreciate and foster the many advantages that come from working in a diverse community where everyone is treated equitably, with dignity and respect. The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful and inclusive of all members of the university community. An environment that is free of discrimination and harassment allows members of the university community to excel in their academic and professional careers. To that end, to the extent provided by applicable federal and state law, the University prohibits unlawful discrimination against a person because of their race, color, religion, sex (including pregnancy), national origin, age, disability, genetic information, or veteran status. The University’s commitment to equal opportunity extends its nondiscrimination protections to include sexual orientation, gender expression and gender identity.</p> <p>Students are expected to recognize and respect a diversity of backgrounds and opinions among their fellow students. They should demonstrate respect for all students as an individual, recognizing that students may bring differing backgrounds, opinions and insights into the classroom.</p>
eLearning	eLearning will be used for class content (e.g., class slides and assignment descriptions) and the recording of grades. Slides will be posted in eLearning before class is held. Class announcements (e.g., change in assignment dates) will be sent to the student email on record in eLearning. It is the students’ responsibility to regularly check their UT Dallas email accounts.
Instructor Response Policy	The instructor will respond to all student inquiries (emails, voice messages, etc.) within 48 hours (excluding holidays and weekends).
Scholastic Honesty	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

	<p>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 UT Dallas Syllabus Policies and Procedures website (see below) for detailed information pertaining to academic dishonesty, including procedures for determining disciplinary action.</p> <p>All students are expected to maintain a high level of responsibility with respect to academic honesty. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.</p>
Course Evaluation	<p>As required by UTD academic regulations, every student must complete an evaluation for each enrolled course at the end of the semester. An online instructional assessment form will be made available for your confidential use. A link to an online instructional assessment form will be emailed to you for your confidential use.</p>
Comet Creed	<p><i>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:</i></p> <p><i>"As a Comet, I pledge honesty, integrity, and service in all that I do."</i></p>
UT Dallas Syllabus Policies and Procedures	<p><i>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to http://go.utdallas.edu/syllabus-policies for policies regarding</i></p> <ul style="list-style-type: none"> • <i>Technical Support</i> • <i>Student Conduct and Discipline</i> • <i>Academic Integrity</i> • <i>AccessAbility Services and Disability-Related Accommodations and/or Services</i> • <i>Class Attendance</i> • <i>Copyright Notice</i> • <i>Email Use</i> • <i>Field Trip Policies, Off-Campus Instruction and Course Activities</i> • <i>Incomplete Grade Policy</i> • <i>Religious Holy Days</i> • <i>Resources to Help You Succeed</i> • <i>Student Grievance Procedures</i> • <i>Withdrawal from Class</i>

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