MET CS 783 Section C1 (Wednesdays) – Fall 2014

Course Syllabus – Enterprise Architecture

Instructor: Marcia M. Nizzari (email: nizzari@bu.edu)

Text: **Enterprise Architecture as Strategy** by Jeanne W. Ross, Peter Weill, and David C. Robertson, Harvard Business Press 2006. ISBM: 978-1-59139-839-4. (This textbook can be purchased from Barnes and Noble at Boston University. Text is abbreviated as "EAAS" below.)

Note that this is a "flipped classroom" course. Large amounts of class time will be devoted to in-class workshops conducted in small groups. Lectures may be assigned as homework reading if there is not sufficient time to cover all lectures in class. It is critically important to attend all classes.

Class Meetings	Topics	Reading Assignments	Assignments
Sept 3	Introduction to Enterprise Architecture: "EA is *so* much more than System Architecture" Introduction to Term Project	EAAS: Preface, pp. vii – xi EAAS: Chapter 1 EAAS: Chapter 2	*(Review Homework and Term Project deliverables assigned)*
Sept 10	Intro to EA: The three themes of our course and textbook; the Core Diagram **Workshop #1**	EAAS: Chapter 3	
Sept 17	EA Methodology: Some Principles of EA and a Comprehensive Case Study of a Unification EA	EAAS: Chapter 4	**System Architecture review homework due** **Term Project Deliverable #1 due**
Sept 24	Migrating Legacy Systems: A Key EA Challenge Communicating Technical Information to the Non-technical **Workshop #2**	EAAS: Chapter 5	
Oct 1	EA Frameworks and Popular EA Implementation Technologies: SOA and RESTful **Finish Workshop #2 presentations**	EAAS: Chapter 6	**Term Project Deliverable #2 due**
Oct 8	**Midterm – open book, in class (first half of class period)**		

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Class Meetings	Topics	Reading Assignments	Assignments
Oct 15	Linking Technologies and System Integration: From Messaging to the Enterprise Service Bus; ERP Systems **Workshop #3 – second half of class**	EAAS: Chapter 7	
Oct 22	IT Governance, Part 1: Development and Release Processes **Finish Workshop #3 presentations**	EAAS: Chapter 8	**Term Project Deliverable #3 due**
Oct 29	Physical Deployment Choices: Virtualization, Building a Server Room, and/or Deploying to the Cloud **Workshop #4**	EAAS: Chapter 9	
Nov 5	New topics in EA: BYOD, Integrating Social Media; Regulatory: HIPAA, HITECH, SOC certification, and other privacy and regulatory considerations		**Term Project Deliverable #4 due**
Nov 12	IT Governance, Part 2: Vendor Management, Outsourcing, and SLAs		
Nov 19	Deploying Your EA: Scaling, Monitoring, and Fault Tolerance		**Term Project Deliverable #5 and #6 due**
Nov 26	NO CLASS – THANKSGIVING BREAK		
Dec 3	**Term Project Presentations – entire class**		**Final Term Projects due** **Term Project Deliverable #7 due**
Dec 10	The Final Lecture: Disaster Recovery and *"So You Want to Be a CIO?"* **Term Project Presentations** **In-class question for Final Exam review**		*Term Project late acceptance – automatic 15 point reduction*
Dec 17	**FINAL EXAM**		Relax!

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Office hours: Before class ~5:30pm on class night, or email instructor with questions. Instructor is happy to stay after class or use break times to answer questions or consult on Term Project. Scheduled phone calls also ok.

Fall Term Schedule: It is imperative that students stay current with work that is due. The Term Project can take a large number of hours, depending on the student and the choice of project. We have only one Wednesday off, the Wednesday before Thanksgiving (November 26th).

Term Project length: Even with a relatively small class, reviewing final term projects takes significant time – at least 3 hours per project. **Therefore, there is a page limit of 25 pages, with font size 10 the smallest font accepted.** Instructor will stop grading after 25 pages. The page limit does not include the slides for your in-class presentation.

In-class Term Project presentation: It is fun and interesting to see what other students have done for their projects; the workshops and in-class presentations are often the highlights of the course. You will have up to 30 minutes to present your project and answer questions from the class.

Plagiarism policy: University plagiarism rules are strictly enforced. With the exception of collaborative workshop sessions, all assignments, quizzes, and exams are assumed to be the original work of the student whose name is on the assignment. The instructor uses *TurnItIn* to assess whether information has been copied directly from sources without proper citation. **Discovery of plagiarism will result in a zero for the assignment.**

Citations: In accord with the above rule on plagiarism, any directly quoted or paraphrased material must have proper citation. Any assignment must have a standard bibliography in MLA citation format. **Failure to include a bibliography will result in a 50% point loss on the assignment.** There are countless websites to consult on MLA format -- http://www.studyguide.org/MLAdocumentation.htm provides one example.

Exams: The midterm and the final exam are both open book and open notes, but *not* open laptop, mobile device, etc. *In other words, paper materials only*. The midterm will be held during the first half of class on June 26th. The final exam will be held on August 7th. If we use the online quizzes, there will be no midterm exam.

Assignments: Assignments will be turned into me on the class date that they are due, *at the beginning of class (6pm)*. In hardship cases, I will accept email assignments that arrive prior to 6pm on the due date. Please print out and turn in hardcopy for your assignments. I will do my best to ensure timely feedback.

Grading: Your grade is determined as follows:

- Homework and Term Project Deliverables – 15%
- Workshops, discussions in class – 10%
- Midterm – 15% (might substitute Midterm for online quizzes)
- EA Term Project– 25%
- EA Term Project Presentation – 10%
- Final Exam – 25%