Course Syllabus
FCBE 3790 M50 – Enterprise Architecture
Fall 2020
(Last updated: 7/30/2020)

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COVID-19 Information

Visit the following websites for up to date information regarding COVID-19 and the University.

FCBE - https://www.memphis.edu/fcbe/faculty/covid_19_notice.php
UofM - https://www.memphis.edu/coronavirusupdates/

Please don’t hesitate to contact me directly with COVID-19 related questions.

Course Overview:

This is an Association for Information Systems model curriculum course, which introduces the fundamentals of enterprise architecture concepts and frameworks. It also explains the purpose and importance of enterprise architectures. It explores the planning, design, assessment, and management of enterprise architectures. Students learn various frameworks to assess and understand enterprise architectures. This course addresses the architectural challenges faced by organizations and some methods to help organizations overcome these challenges.

Pre-Requisites/Co-Requisites:

Pre-requisite or co-requisite: MIS 3210

Required Texts (and Related Materials):


There will be 6 case studies assigned for small group analysis and presentation. Half of the case studies assigned, as well as the Ross et al. chapters, are to be downloaded from Harvard Business School Press. The other half of the case studies, which are published in *Journal of Cases on Information Technology*, can be accessed at the University Library Digital Resource.

You will need to establish a student account with Harvard to purchase their case studies and chapters. There is a link to the University Library on the eCourseware homepage for the class.

**Case Studies**

1. SAP’s Platform Strategy in 2006  
   - Harvard Case
2. Volkswagen of America  
   - Harvard Case
3. Strategic Transformation at Accenture  
   - Harvard Case
4. Building Enterprise Network Infrastructure for a Supermarket Chain  
   - Journal of Cases on Information Technology Vol 11, No 1, University Library
5. The Selection of the IT Platform  
   - Journal of Cases on Information Technology Vol 7, No 1, University Library
6. Designing for Service-Oriented Computing  
   - Journal of Cases on Information Technology Vol 9, No 1, University Library

**Location of Course Materials:**

This is a completely online course. All course materials (lectures, discussion topics, news, etc.) are located on the eCourseware website.

**Course Objectives:**

Enterprise Architecture is intended to familiarize the technology major with the nature of corporate telecommunications networks and the associated computer systems that they serve in the form of data stores, processing centers, application software and input sources. More than a “networking” class, this course deals with holistic connections of system components in service of the corporate business objectives and will deal with the planning, implementation and maintenance of such complex systems in support of the organizational objectives.
Learning Goals

Upon completing this course, students are expected know how to:

1. Define enterprise architecture and describe the basic components of an enterprise architecture
2. Identify and describe major enterprise architecture frameworks
3. Construct various architectural views including business process architectural view, business systems architectural view, data architectural view, applications architectural view, and technologies infrastructure architectural view
4. Identify and select a core of enterprise architecture components
5. Represent the interrelationships among these components
6. Assess and evaluate the implementation of an enterprise architecture

Topics Covered in the Course

- Enterprise architecture frameworks Data architecture
- Application architecture Process Architecture Technological infrastructure
- Criteria for selecting enterprise architecture frameworks Criteria for enterprise architecture assessment
- Business continuity and contingency planning
- Role of emerging technologies
- Fogelman College: Learning Outcomes for Your Degree

This course is designed to help you to meet the overall learning objectives for the BBA degree offered by the Fogelman College. You should take the time to become familiar with the overall learning objectives as a student in the BBA Program. In general, you should assist the instructor in creating a positive, supportive environment for learning by staying engaged in the course and actively participating in all class discussions.

Student's Expectations of Professor:

In my role as your instructor, there are certain things you can expect from me including: well-organized and engaging learning experience, response to questions and emails within two (2) business days, and feedback on all work submitted within 4-5 calendar days.

Grading and Evaluation Criteria

Over the semester, you will have a variety of opportunities to earn points towards your final (overall) letter grade in this course. This section of the syllabus describes the assessed work you will be doing and how overall (final) letter grades will be computed.
Grading scale for the course

A = 90 - 100%
B = 80 - 89%
C = 70 - 79%
D = 60 - 69%
F = below 60%

No +/- grades are given in this course

Your overall grade for the semester is based on how well you perform on a mixture of formal activities including discussions, projects and exams. A detailed description of each of the assessed activities can be found after the scoring summary table below.

Summary of Graded Activities

Points earned on the assessed activities will be distributed as follows:

<table>
<thead>
<tr>
<th>Deliverable</th>
<th>Total Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group case study PowerPoint presentation</td>
<td>20</td>
</tr>
<tr>
<td>Participation in online discussions</td>
<td>20</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>30</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

Case Studies

Students will work in small teams to investigate how to apply the principles and frameworks of enterprise architectures in organizations. There will be six cases on various aspects of enterprise architectures. The entire class will participate in online discussion of the cases, once they are posted. It will be the responsibility of the assigned case group to analyze and post the case study in time for class download and discussion.

Exams

Exams will consist of essay, applied questions, and applied architecture mapping tasks.

Final Exam Schedule

The final exam for this class will be scheduled according to the Registrar’s Academic Calendar website. Your exam will go live on November 18th, 2020 and must be completed by 11:59 PM on November 24th, 2020.
Course Policies

E-MAIL:

All students are required to maintain and access their University of Memphis (@memphis.edu) email account. You will receive all official course correspondence at this email account. Any inability to receive incoming mail in a timely fashion (e.g., not regularly checking your email, having a “full mailbox” condition, etc.) is the student’s responsibility. If you prefer getting email from an alternate email address (Gmail, yahoo, etc.) and do not check campus email, you should make sure all campus email is forwarded to that alternate email address. This can be done via the campus IAM website.

Attendance/Online Presence:

Because this is an online course, you manage your time as you see fit. Manage your time wisely and please do not wait until the last minute to complete the assignments. This will typically result in a poor outcome. You will be assigned group work that you must contribute to throughout the semester. This means that you must be present in online discussions. The way this course is designed, you will not be able to assimilate the material sufficiently without doing work on the topics each week, and sharing in discussion with your classmates and me.

Adding / Dropping:

If you have questions about adding or dropping classes, please refer to this page on the Registrar’s website.

Academic Integrity:

The University of Memphis has clear codes regarding cheating and classroom misconduct. If interested, you may refer to the Student Handbook section on academic misconduct for a discussion of these codes. Note that using a “Solutions Manual” is considered cheating. Should your professor have evidence that using a “Solutions Manual” has occurred, he/she may take steps as described on the campus’ Office of Student Conduct website. If you have any questions about academic integrity or plagiarism, you are strongly encouraged to review the Fogelman College's Website on Academic Integrity. Note that Turnitin will be used extensively on submitted work, especially research and associated writing. Strong evidence of plagiarism will result in a zero on the submitted assignment with a potential opportunity to resubmit in a corrected form for partial credit.

Participation:

To be successful in this course as a student, you must stay active and involved throughout the entire semester. Students are expected participate in all interactive aspects of the course. You should also regularly communicate with the instructor as part of your overall learning experience, check into the course frequently for announcements (usually on the course home page), and actively participate in classrooms discussions (both formal and informal). Note that your overall level of participation will contribute to your final grade in the semester as noted under “Grading” in this syllabus.

Classroom or Online Behavior:

All participants in the course should be considerate of the other course participants and treat them (as well as their opinions) with respect. The class will operate under the assumption that any and all feedback offered is positive in nature and that the intentions of the person(s) providing feedback are
strictly honorable. Insensitivity in this area will not be tolerated. If you have any questions about online communication, you should review the Fogelman College's Netiquette website.

**Late Assignments:**

Assignments and projects may be submitted anytime up to and including the date due. Please review all information in this syllabus and related “Course Activity Summary / Schedule” for all due dates for formally assessed work. If your work is not submitted on time, the instructor reserves the option to deduct up to 20% of the grade value for tardiness depending upon the circumstances and appropriate communication between the student and the instructor.

**Extra Credit:**

There is no extra credit offered in this course. Your final grade will be computed based on your work on the formal/assessed activities previously described in this syllabus.

**Reporting Illness or Absence:**

Due dates and deadlines have been established for each graded assignment. In this course, deadlines are taken very seriously. Please do not wait until the last day to submit assignments or to take quizzes and exams. If an emergency should arise, it is the student’s responsibility to contact the instructor prior to the deadline to discuss the matter. A deadline extension will be considered only if all the following conditions are met:

1. Extreme emergency and
2. Instructor contacted prior to the due date.

**Inclement Weather:**

If inclement weather requires the cancellation of classes at The University of Memphis, local radio and television media will be immediately notified. Additionally, The University of Memphis uses a comprehensive personal safety mobile app called LiveSafe (formally referred to as TigerText). This optional service is used in the event of an on-campus emergency, an unscheduled university closing, or a delay or cancellation of classes due to, for instance, inclement weather. An overview of LiveSafe can be found [here](#).

**Syllabus Changes:**

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

**Student Services**

Please access the FCBE Student Services page for information about:

- Students with Disabilities
- Tutoring and other Academic Assistance
- Advising Services for Fogelman Students
- Technical Assistance
When You Need Technical Help...

Students needing technical assistance can contact the ITS Service Desk the following ways:

- Phone: 901-678-8888
- Online: https://umhelpdesk.memphis.edu
- Walk-in: Administration Building (West Entrance) on the main campus in Memphis. Walk-in hours are Monday – Friday 8am – 7pm. Office and phones are closed on holidays.
- Chat: https://asktom.custhelp.com (Available Monday – Friday 8am – 6pm)

Academic Support Services Available to Fogelman Students:

- http://www.memphis.edu/fcbeusso/index.php