Course Syllabus
MIS 7615 (8615) 001 – Data Communications and Networking Systems

Fall Semester, 2015
3.0 Credit Hours (Last updated: 8/20/2015)

Instructor: Euntae Ted Lee
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Office: FCB 330 Office Hours: TR 3:15 - 4:45 PM

Course Overview

In this 3-credit course, students will be introduced to the concepts and terminology of telecommunications technologies as they pertain to solving business problems within the organizational context. Specific issues and topics include signaling, media, data transmission concepts, the hardware and software associated with local and wide-area networking, network management, the Internet and associated technologies, and data communications trends.

Pre-Requisites/Co-Requisites:
- MIS 7615: Graduate standing.
- MIS 8615: MIS 7615 or permission of instructor. Those who have not taken MIS 7615 will be required to attend lectures, take exams, and participate in lab assignments for that course.

Required Texts (and Related Materials):
- None

Recommended Texts (and Related Materials):


Location of Course Materials:
All course materials (lectures, discussion topics, news, etc.) are located on the eCourseware website.

- Course Website & Structure
  Course materials are available online on the following URL: http://elearn.memphis.edu. Course materials include lecture slides, assignments, online practice quizzes, projects, grades, and related links.
  The course website requires Adobe Flash. If this software program is not already installed on your computer, please download and install it (free download) (http://www.adobe.com/products/flashplayer/). Please ensure that you prepared your browser by following the instructions on http://www.webjam.com/alcelearning/ecourseware/ (see Browser preparation section about half way down the page). If you should have problems with email, please contact the University of Memphis Helpdesk at (901.678.8888) or at http://umhelpdesk.memphis.edu. Access http://www.memphis.edu/ecampus/student/FAQ.php for more details.

Course Objectives:
Upon successful completion of the course, the student will be able to:
- Identify and discuss the technical issues related to the use of data communications technology
- Identify and discuss the organizational and managerial issues related to the use of data communications technology
- Identify and discuss the factors to be considered in the selection of network hardware, software, topologies, and protocols
- Identify each of the resources that can be distributed in a distributed network and discuss the tradeoffs to be considered in distributing these resources
- Read and understand telecommunications trade and vendor literature

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 MSBA program:


Course Methodology
The course will consist of a combination of lectures, weekly assigned readings (journal article information is listed at the bottom of the class schedule), and class discussion. All students will be required to complete a group project as well as bring in relevant articles from trade journals to generate discussion. For those students seeking credit for 8615, outside class discussions and papers will also be assigned. Mastery of the assigned material will be determined by the quality of an individual's class participation, exam results, and course project(s).

Professor's Expectations:
In general, the students should assist the instructor in creating a positive, supportive
environment for learning. To this end, students are expected to attend classes on a regular basis, arrive to class on time, remain in class until dismissed, participate in discussions when appropriate, turn in assignments on their assigned due date, and take examinations when scheduled. Most importantly, all participants in the class should be considerate of the other class participants and treat them (as well as their opinions) with respect. Insensitivity in this area will not be tolerated.

“Chatting with classmates, blatant keyboard typing and other disturbances during class session is strictly prohibited.”

The point for the class participation will be directly affected according to the level of the violation.

The University of Memphis has clear codes regarding cheating and classroom misconduct. Refer to the Student Handbook section on academic misconduct for a discussion of these codes.

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**Grading and Evaluation Criteria**

Total possible points for the two courses are as follows:

<table>
<thead>
<tr>
<th></th>
<th>7615</th>
<th>8615 (Not taken 7615)</th>
<th>8615 (Have taken 7615)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mid-term Exam</strong></td>
<td>100 pts</td>
<td>100 pts</td>
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<tr>
<td><strong>Final Exam</strong></td>
<td>120 pts</td>
<td>120 pts</td>
<td></td>
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<tr>
<td><strong>Group Work</strong></td>
<td>80 pts</td>
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<tr>
<td><strong>In-class assignments</strong> <em>(e.g., exercises, Internet research, Pop-up quizzes, paper summaries, etc)</em></td>
<td>Max of 50 pts*</td>
<td>Max of 50 pts*</td>
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<tr>
<td><strong>Class Participation</strong></td>
<td>15 pts</td>
<td>15 pts</td>
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<tr>
<td><strong>8615 students only</strong></td>
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<tr>
<td>1. Three summaries of articles from the 8615 reading list</td>
<td>60 pts</td>
<td>60 pts</td>
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<tr>
<td>2. Three &quot;Thought Papers&quot;</td>
<td>60 pts</td>
<td>60 pts</td>
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<td>3. Presentation of emerging technology/issues</td>
<td>60 pts</td>
<td>60 pts</td>
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<td>4. Article search</td>
<td>10 pts</td>
<td>10 pts</td>
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<tr>
<td><strong>Total</strong></td>
<td>Max of 365 pts</td>
<td>Max of 475 pts</td>
<td>Max of 190 pts</td>
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* This can be varied depending on the number of actual assignments.

** Your instructor reserves the right to alter this grading scheme slightly with in-advance announcement as circumstances may dictate.
Please discuss any concerns you may have about these policies as early as possible in the semester. Final grades will be based on the total score of course assignments and exams. Final letter grades are NOT determined according to a "curve." Instead, guaranteed minimum letter grades are determined according the percentage of possible credit achieved by each student. This is done to promote a cooperative climate in which assisting one’s classmates and/or studying in groups (which is strongly encouraged) does not adversely affect one’s own letter grade. If everyone earns a higher grade, so much the better.

**Final Course Grades**

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<thead>
<tr>
<th>Assigned Grade</th>
<th>Percent Range</th>
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<tbody>
<tr>
<td>A</td>
<td>&gt;= 90%</td>
</tr>
<tr>
<td>B</td>
<td>&gt;= 80%</td>
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<tr>
<td>C</td>
<td>&gt;= 70%</td>
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<tr>
<td>D</td>
<td>&gt;= 60%</td>
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<tr>
<td>F</td>
<td>Below 60%</td>
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(No rounding in this scale)

**Course Topics** (Chapter No. are based on the first recommended book)

- The Data Communications Industry (Ch 1)
- The network reference model: OSI vs. TCP/IP
- Data Communications Concepts (Ch 2)
- Basic Data Communications Technology (Ch 3)
- Local Area Networks (Ch 4)
- Voice Communication Concepts and Technology (Ch 5)
- Wide Area Networking Concepts, Architectures, and Services (Ch 6)
- Local Area Network Communications Protocols (Ch 7)
- Advanced TCP/IP Network Design (Ch 8)
- Local Area Network Operating Systems and Remote Access (Ch 9)
- The Network Development Life Cycle (Ch 10)
- Network Security (Ch 12)

**Schedule of Activities**

- The course schedule can be found in the course folder in eCourseware (http://elearn.memphis.edu).

**Final Exam Schedule**
The University Of Memphis “Schedule Of Classes” clearly states that attendance in final examinations is "compulsory." Therefore, no early final exams will be given. So, please plan ahead carefully for the final exam so there will be no conflict with your personal activities (family reunion, personal travel, etc). The final exam for this class will be scheduled according to the Registrar’s academic calendar website.

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.

Attendance:
Formal attendance will not be taken. However, you are expected to stay active and engaged throughout the academic term and keep up with the schedule of activities. For students receiving federal student loans, any lack of engagement in the course may be treated as non-attendance and potentially impact access to student loans in the future.

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.

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 threaded discussion events (both formal and informal). You should plan on logging into the course at least three times each week.

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
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 25% of the grade value for tardiness depending upon the circumstances and appropriate communication between the student and the instructor.

Exams:
Exams are composed of essay questions intended to test conceptual knowledge. Depth of understanding is a critical factor in the assessment of responses. Shallow, undergraduate-level answers will be awarded fewer points. It is understood that most graduate students are holding important, career-oriented positions. Make-up exams are given with documentable excuses (work-related training, trip, etc.), but please do not abuse this privilege.

Extra Credit:
There will be no make-up assignment for extra credit (for tests, assignments, etc.) offered in this course. Your final grade will be computed based on your work on the formal/assessed activities previously described in this syllabus.

Plagiarism:
To plagiarize is “to steal and pass off (the ideas or words of another) as one’s own “ use (another’s production) without crediting the source ... to commit literary theft” (Webster’s). Plagiarism constitutes academic misconduct. The Graduate Bulletin of The University of Memphis states the following: “...graduate students should become familiar with the University’ policies on plagiarism in its various forms....Violations of academic misconduct are administered by the academic discipline committee, a University standing committee appointed by the President.”
Any milestone with plagiarized material will be given zero credit, with an automatic loss of 25% on the final written and oral presentations. Cases involving significant amounts of plagiarism will be turned over to the Dean of Judicial and Ethical Programs.

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 of the following conditions are met: (1) Extreme emergency, (2) Unforeseen event (3) Instructor contacted prior to the due date.

Inclement Weather:
In the event that 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 has established an Inclement Weather Hotline at 678-0888 as well
as TigerText, an emergency alert text messaging service to students, faculty and staff. 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. Click Here for information on TigerText.

**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.

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**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