

TCOM5123

Telecommunications Systems - The Upper Layers

Course Syllabus Fall, 2009

Important: *The class schedule and assignments outlined in this syllabus will change throughout the semester. You are required to stay current by constantly monitoring various communication channels for all class notices and announcements. Such communication channels include, but not limited to, in-class announcement, Online Classroom and Community (a.k.a. OC or D2L) and email.*

The grading scheme and other general guidelines will remain constant once the semester starts. Other important and useful info for your study is included in the syllabus attachments (see the separate files for Stillwater and Tulsa campus).

Instructor: Jinkyu Lee, Ph.D., Asst. Prof. of MSIS

Class Hours: Tue. 4:30-7:10 PM

Class Location: Cordell 127 (STW) / NCB 226 (TUL) / Anywhere in the world (DL)

Course Website: OC (<http://oc.okstate.edu>) will be the primary information dissemination channel for this course. Check the news section, content folder, and discussion boards of the OC website (as well as your SIS email) frequently (at least once a day).

Course Twitter: For those who have an unlimited mobile IM plan, you can receive “some” timely notices by following “TCOM5123” on Twitter.
* *Experimental*

Office Hours: Tue. 2:30-4:30 PM (Originating Campus), Thu. 5:00-7:20 PM (TUL), or by appointment

Office Location: 426 Business (STW), 317 North Hall (TUL)

Email: jinkyu.lee@okstate.edu ** *Include the course code (TCOM5123) and section number (001 for STW, 603 for DL, 801 for TUL) in the subject line. Any email sent without this info in the subject field may be treated as a junk mail and not read.*

Phone: 918-594-8254 (TUL).
Ask for Mobile # for STW & DL sections.

COURSE OBJECTIVES:

Develop a *deep* understanding of today’s tele-/data-communication networks by investigating the *underlying technologies and mechanisms* of selected topics from the upper layers of the TCP/IP protocol suite. Such topics will include, but not limited to IP packet delivery, forwarding, and routing, UDP and TCP, dynamic host configuration, domain name lookup, and other widely used Internet applications (e.g., Web & email). Technologies for network security will also be discussed briefly.

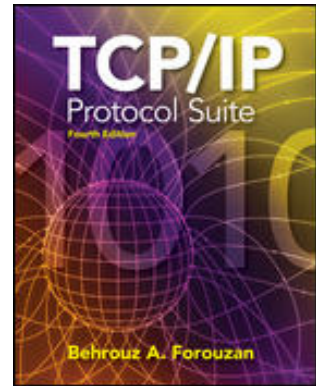
REQUIRED TEXTBOOKS:

TCP/IP Protocol Suite, by Behrouz A. Forouzan, 4th Edition, McGraw-Hill, Inc., 2009.

ISBN 0073376043 / 9780073376042

You can buy this book from the university bookstore or [online](#), but be sure to get the **Fourth** edition.

You are expected to have this book **by the 2nd week**.



GRADING:

Grades will be assigned based on two exams, 5-10 homework/lab assignments, and attendance/participation. Assigned weights are as follows:

Weight	Grading Item Category
25%	Midterm Exam
25%	Comprehensive Final Exam
40%	Assignments
10%	Attendance (Resident sections only) & Participation

Based on the weighted total score, a final letter grade will be assigned according to either the absolute score scale or the percentile scale. The one that results in the higher letter grade will be used for the final grade on individual basis.

Absolute Score	Grade	Percentile
90/100	A	Beyond 65% (the top 35%)
80/100	B	Beyond 25% (the next 40%)
70/100	C	Beyond 10% (the next 15%)
60/100	D	Beyond 5% (the next 5%)
<60/100	F	<5% (the lowest 5%)

Your absolute score is the sum of the weighted scores that you earn from the grading items (i.e., exams, assignments, attendance/participation). Your percentile score simply represents the proportion of other students who have achieved a lower absolute score than you. All students who complete the midterm and are enrolled at that time will be included in the percentile computations, even if some of them drop the course later.

You will be able to check your raw & weighted scores of each graded item and the earned absolute score on the OC Grade book as semester goes, but the percentile rankings will not be available until the end of the semester.

BASIC REQUIREMENTS:

Proactive & Responsible Attitude

Every student should take charge of his/her own learning. Due to the large number of topics covered in this course, you need to comprehend each class's material within a week from the class. If you have a question, **ASK** it **RIGHT AWAY** and make sure that you understand it before the next class. In addition to in-class interactions, both resident and DL section students can interact with the instructor and/or other students online via OC discussion boards. All students are encouraged and **required** to closely monitor the discussion boards to improve their understandings of covered materials.

Students are also responsible for all announcements made via various channels (e.g., in class, OC, e-mail, etc.). I'll intensively use the OC course website and e-mail, as well as in-class announcement, to make important announcements and provide useful study tips. You should actively search for such information on OC, pay attention to all emails with "TCOM5123" in the subject, and, if you ever miss a class, contact your classmate for in-class announcements. Many in-class announcements will not be repeated via other channels.

Class Attendance

Class attendance is very important to your success in this class, and your grade is partially dependent upon your consistent presence and participation. I do understand, however, that many Spears students have full-time job or represent the university on official activities. If you are required to participate in official university, college, or departmental activities, business travel, or military training, you must provide your instructor written notice at least three business days prior to your absence and receive confirmation from the instructor prior to the absence. It is your responsibility to confirm this in advance. The instructor reserves the right to determine whether the reason for an absence is acceptable or not. DL section students are required to watch the lecture video within a week from the actual lecture.

Assignments

I will assign 5-10 assignments throughout the semester. Each assignment will be weighted equally toward the final point total (see Grading). Some assignments may require significantly more time and effort to complete than some others, in which case they will be designated as "double-point" assignments and counted as two assignments (each being weighted as a full assignment grade). Unless otherwise noted, these assignments must be uploaded to the OC digital drop box **before 11:59 PM** (OC server time) on the due date.

Class Preparation

In addition to completing homework & lab assignments, you should always read the textbook chapter(s) to be covered in each class (see Evolving Class Schedule). There may also be other materials that should be printed, reviewed prior to the class, and brought with you. These will most often be a subset of the PowerPoint slides that I will use in the classroom and will be very helpful in class.

Exams

Exam dates and times are shown in the evolving schedule. All students, **including distance learning students**, are expected to take the exam on this date. If you have a direct (same time) conflict with another exam or have three or more final exams scheduled on the same day, you need to inform me of the conflict **at least 2 weeks before the exam date**. Otherwise I will expect you to take the exams at the prescribed times. Stillwater and Tulsa students will take the exam at the same time, in the presence of a proctor at each location.

Each distance learning student must arrange his/her own exam site where he/she can take an online version of the exam at the closest possible time to the resident section exam. The exam site should allow reliable and fast internet access (esp. to the OSU OC and email systems), preferably with a networked-scanner. DL students are not required to arrange a proctored exam site, but they can choose to use an OSU-managed/operated test center. To find out more info about this option, contact Alvina Shearer or Shona Gambrell at the Center for Executive and Professional Development (CEPD).

STUDENTS WITH DISABILITIES:

If any member of the class believes that s/he has a physical, emotional, or psychological disability and needs accommodations of any nature, the instructor and the university Office of Student Disability Services (315SU, 405-744-7116) will work with you to provide reasonable accommodations to ensure that you have a fair opportunity to perform in this class. Please advise the instructor of such disability and the accommodations as soon as possible, but not later than the beginning of the second day the class meets. You will need to also contact the Student Disability Services office in order to receive accommodations. No accommodations will be made without prior notification.

ACADEMIC INTEGRITY POLICY:

Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration on homework or assignments, plagiarism, multiple submissions of the same assignment, cheating on examinations, fabricating information, helping another person cheat, having unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, and being suspended from the University. You have the right to appeal the charge. Contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627. In short, the best policy with regard to any form of academic dishonesty is "**DON'T DO IT!!**" For more details about the full OSU policy, see <http://academicintegrity.okstate.edu/>.