COURSE INFORMATION

3 credit hours

Course Description

Foundational skills in data communications. Covers the basics of computer networking, including terms and concepts, contemporary network services, transmission media, and protocols. Students learn how protocols are used in networking implementations from many vendors, especially those most common in today's LANs and WANs.

Course Instructor: Dr. Fred McMahan

Course Author: Dr. Fred McMahan

Course Pre-requisites, Co-requisites, and/or Other Restrictions

No pre-requisites.

Materials – Text, Readings, and Supplemental Readings

Textbook:
Paperback or ebook, 464 Pub. Date: 2019 Publisher: Prentice Hall, Edition Description: 6th

This course has two areas of focus:

1. Exploring foundational issues and currently-emerging trends in telecommunications that are becoming integrated into the field of education.
2. Acquiring knowledge about how current telecommunications systems work.
Requirements

There will be assigned homework problems. Design projects will require the students to spend time at the computer. Students should plan to spend a minimum of six to nine hours a week of outside preparation for successful completion of this course.

Participation and punctuality are professional behaviors expected. Educational or Instructional technology is not "doing computer projects" - it is much more. Hence, you need to be involved in class discussions and learning activities. Student may be dropped from the course, with notice from the instructor, due to lack of participation or non-attendance online.

Due dates, for all assigned materials, will be announced in advance. Changes, on the assignment's requirements or due dates may be announced at later dates, in class forums, therefore reading the class forums is required. It is the student's responsibility to keep up with these updates and to have all assignments ready on time.

You must notify your instructor in advance if any exam is to be missed. If an exam is missed without prior notification, 20% will automatically be deducted from the exam grade.

Format

The course will be offered 100% online in a 10-week format using Canvas accessed through standard web browsers. Each section of content will be scheduled with a beginning and ending date, with multiple activities assigned and due within each week. All students will participate, collaborate, and progress together within each scheduled week. There will be NO face-to-face campus meetings.

Homework

1. Assignments
   - Any assignments not turned in by the last class meeting or the date indicated on the course schedule will be assigned a grade of zero, unless the student has made prior arrangements with the instructor.
   - Late homework will lose 1 point each day it is late.

2. Discussions
   - Discussion Postings are due the day of the assignment due date. No redos are allowed on assignment postings.
   - Replies to discussion postings can be made up to three days after the due date of the assignment.
   - Discussion postings and replies can be made on or before the due date of the discussion assignment (i.e. you can post and reply early).

3. Quizzes
   - Be sure to review the schedule for dates and times for all Quizzes.
   - Quizzes tend to run for three days starting on the day when an assignment is due.
   - Any quiz not completed during the dates indicated will be assigned a grade of zero, unless the student has made prior arrangements with the instructor to take the quiz at a later time.
TECHNICAL REQUIREMENTS

- UNT Canvas
- Computer and Internet Literacy
- Microsoft Office compatible software including word processing and presentation applications
- Working email account (make sure you have accessed your UNT Eagle Connect email and forwarded your mail from there)

ACCESS/NAVIGATION/RESOURCES

Access and Log in Information

This course was developed and is facilitated utilizing the University of North Texas’ Learning Management System, Blackboard Learn. To get started with the course, please go to: https://learn.unt.edu.
You will need your EUID and password to log in to the course. If you do not know your EUID or have forgotten your password, please go to: http://ams.unt.edu.

Student Resources

Being a Successful Online Student

- What Makes a Successful Online Student? (http://www.ion.uillinois.edu/resources/tutorials/pedagogy/StudentProfile.asp)
- Self-Evaluation for Potential Online Students (http://www.ion.uillinois.edu/resources/tutorials/pedagogy/selfEval.asp)

Student Support

The University of North Texas provides student technical support in the use of Blackboard and supported resources. The student help desk may be reached at: Email: helpdesk@unt.edu Phone: 940.565-2324 In Person: Sage Hall, Room 130 Online: http://www.unt.edu/helpdesk/
Regular hours are maintained to provide support to students. Please refer to the website (http://www.unt.edu/helpdesk/hours.htm) for updated hours.
UNT is committed to providing a reliable online course system to all users. Students should immediately report any problems to the instructor and also contact the UNT Student Help Desk. The instructor and the UNT Student Help Desk will work with the student to resolve any issues at the earliest possible time.

**Additional Resources**
- UNT Portal: http://my.unt.edu
- UNT Library Information for Off-Campus Users: http://www.library.unt.edu/services
- UNT Computing and Information Technology Center: http://citc.unt.edu/services-solutions/students
- Computer Labs: General access computer lab information (including locations and hours of operation) can be located at: http://www.gacl.unt.edu/

**COURSE COMMUNICATIONS**

In this class, we will use online discussions to discuss concepts and topics found in the coursework. Remember to use the proper rules of netiquette when on the forum. There is a real person reading your posts on the other end of the internet connection, so please be respectful in your responses even when you disagree.

Resources regarding netiquette:
- http://online.uwc.edu/technology/etiquette

**ASSESSMENT/GRADING**

<table>
<thead>
<tr>
<th>Grade Points</th>
<th>Assignments</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Quizzes</td>
<td>4 quizzes at 10 points each</td>
</tr>
<tr>
<td>10</td>
<td>Assignment 1</td>
<td>2 parts</td>
</tr>
<tr>
<td>15</td>
<td>Assignment 2</td>
<td>3 parts</td>
</tr>
<tr>
<td>10</td>
<td>Assignment 3</td>
<td>2 parts</td>
</tr>
<tr>
<td>10</td>
<td>Assignment 4</td>
<td>2 parts</td>
</tr>
<tr>
<td>3</td>
<td>Paper Proposal</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Final Paper</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>Total Points</td>
<td></td>
</tr>
</tbody>
</table>

Letter grades will be the higher grade resulting from the following two standards:

<table>
<thead>
<tr>
<th>Grade Points</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80-89.999%</td>
<td>B</td>
</tr>
<tr>
<td>70-79.999%</td>
<td>C</td>
</tr>
<tr>
<td>60-69.999%</td>
<td>D</td>
</tr>
<tr>
<td>Below 60%</td>
<td>F</td>
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</tbody>
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Incomplete Grade Information

The department complies with university policy regarding the assignment of an Incomplete Grade in any course. Please see http://registrar.unt.edu/grades/incompletes for information. Per UNT policy, a grade of Incomplete can only be awarded to a student who is 1) passing the course and 2) has a justifiable and documented reason, beyond the control of the student, for not completing the course work on schedule. Notification and submission of documentation must be provided to the instructor at the time of the emergency.

Turnitin Notice

Students may be required to submit written assignments for this class to Turnitin, a web-based plagiarism detection service. If your instructor requires you to use this service, please remove your title page and other personal information prior to submitting your assignment to Turnitin.

COURSE EVALUATION

Students will be notified via email to complete the SPOT evaluation at the end of the semester.

SCHOLARLY EXPECTATIONS

Student Conduct and Academic Integrity

All works submitted for credit must be original works created by the scholar uniquely for the class. It is considered inappropriate and unethical, particularly at the graduate level, to make duplicate submissions of a single work for credit in multiple classes, unless specifically requested by the instructor. Work submitted at the graduate level is expected to demonstrate higher-order thinking skills and be of significantly higher quality than work produced at the undergraduate level. You are encouraged to become familiar with the university's Student Standards of Academic Integrity policy: http://policy.unt.edu/sites/default/files/untpolicy/pdf/7-Student_Affairs-Academic_Integrity.pdf

Of particular interest are the following terms:

- **Cheating** – intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise. The term academic exercise includes all forms of work submitted for credit or hours.
- **Plagiarism** – the deliberate adoption or reproduction of ideas, words, or statements of another person as one’s own without acknowledgement.
- **Fabrication** – intentional and unauthorized falsification or invention of any information or citation in an academic exercise.
Facilitating academic dishonesty – intentionally or knowingly helping or attempting to help another to violate a provision of the institutional code of academic integrity.

Copyright Notice

Some or all of the materials on this course web site may be protected by copyright. Federal copyright law prohibits the reproduction, distribution, public performance, or public display of copyrighted materials without the express and written permission of the copyright owner, unless fair use or another exemption under copyright law applies. Additional copyright information may be located at: http://copyright.unt.edu/.

UNT POLICIES

ADA Policy

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Office of Disability Accommodation website at http://www.unt.edu/oda. You may also contact them by phone at 940.565.4323.

Add/Drop Policy

The department adheres to the add/drop schedule established and published by the UNT Office of the Registrar. See the registration calendar for information (http://registrar.unt.edu/registration/registration-guides-by-semester).

Student Conduct and Discipline

You are encouraged to become familiar with the University Student Code of Conduct maintained by the Dean of Students in the Office of Student Affairs: https://deanofstudents.unt.edu/conduct.

Important Notice for F-1 Students taking Distance Education Courses: Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the Electronic Code of Federal Regulations website at http://www.ecfr.gov. The specific portion concerning distance education courses is located at "Title 8 CFR 214.2 Paragraph (f) (6) (i) (G)" and can be found buried within this document: http://frwebgate.access.gpo.gov/cgi-bin/get-cfr.cgi?TITLE=8&PART=214&SECTION=2&TYPE=TEXT
The paragraph reads:

(G) For F–1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F–1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

University of North Texas Compliance

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course. If such an on-campus activity is required, it is the student's responsibility to do the following:

1. Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
2. Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.