

College of Business Administration

CIS 3347-120, CRN 10085, Data Communications and Infrastructure

Online Course

Spring 2019

Texas A&M University-Central Texas

INSTRUCTOR AND CONTACT INFORMATION

Instructor: Abhijit K Nag, Ph.D.

Office: FH 323

Phone: (254) 501- 5933 (COBA office)

Email: Canvas Inbox (preferred). If the canvas is unavailable, email me: aknag@tamuct.edu.

Office Hours:

Monday/Wednesday Virtual via Canvas Site: 12:30 pm -1:30 pm. I will also be available for students on an appointment basis. Send me an email (aknag@tamuct.edu) to schedule an appointment to meet.

Mode of instruction and course access:

This is a 100% online course. All course contents will be made available online using the TAMUCT Canvas Learning Management System: [<https://tamuct.instructure.com>]. All announcement regarding homework assignments, class tests, exams will be posted in Canvas. Students are required to access Canvas course page at least once a week to get any update regarding this course. Online learning requires all the enrolled students to self-paced and prepare themselves to comply with assigned class assignments and exams.

Student-instructor interaction:

Students are encouraged to send all course-related correspondence to Canvas email message. Students will use TAMUCT email only when Canvas is not available.

911 Cellular:

Emergency Warning System for Texas A&M University-Central Texas

911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911 Cellular through their myCT email account.

In an effort to enhance personal safety on the Texas A&M University – Central Texas (TAMUCT) campus, the TAMUCT Police Department has introduced Warrior Shield by 911 Cellular. [Warrior Shield](https://www.tamuct.edu/police/911cellular.html) [<https://www.tamuct.edu/police/911cellular.html>] can be downloaded and installed on your mobile device from Google Play or Apple Store.

Connect at [911Cellular](https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management) [https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

COURSE INFORMATION

Course Overview and description:

A study of voice and data communications technologies, concepts, and applications, including communications terminology, hardware, software, protocols, and managerial issues in data and voice communications. Topics include alternatives available in hardware, software, and transmission facilities; design integration; and selection and implementation of communications solutions. In addition, students explore the current and future impact and directions of these technologies.

Course Objective:

Student Learning Outcomes:

1. Illustrate network behavior and principles employed in an organization and the underlying operation of the communication networks.
2. Demonstrate the details of data and signals in Computer Networking and analyze the correct operation of various protocols
3. Understand the basic principles of Internet protocols and various internet services.

Competency Goals Statements (certification or standards): None

Required Reading and Textbook(s):

Business Data Communications and Networking

Author: Jerry FitzGerald, Alan Dennis, Alexandra Durcikova.

ISBN: 9781119368830.

Textbook companion website: <https://www.wileystudentchoice.com/>

Note: An electronic version of the book may be available. A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Supplemental Material: The course textbook will be supplemented with other materials including handouts, oral presentations, software demonstration, PowerPoint presentations, etc.

COURSE REQUIREMENTS

Reading Assignments:

All assigned chapters will be used as a basis for canvas discussions. Students are expected to study the required chapter before each class session.

Students are required to complete one midterm exam, one final exam, five class tests, four homework assignments, one course presentation (Video narration and PowerPoint Slide) and four discussion questions. The topic of all exams will be declared in the canvas portal. Canvas

discussions are counted towards class participation points for this course.

Class Tests

There will be five class tests for this online course. The class tests will be conducted online through Canvas course website. Each class test will be worth 48 points.

Exams

There will be one midterm and one final exam. The midterm exam will contain 200 points, and the final exam will contain 200 points. The final exam will NOT be comprehensive for this course.

Assignments

Four assignments (homework assignments) will be given to the students. The due dates of these assignments will be posted in canvas course portal. Each assignment will be worth 60 points.

Course Discussions

Following the course chapter presentations is mandatory for this course. Canvas discussions will be counted toward class participation marks. Canvas discussions will be posted on Discussions tab in Canvas portal. Total discussion questions are worth 40 points.

Course Presentation

This course will require students to present a topic related to Data Communication. Students will prepare a video presentation of their PowerPoint slide and upload it to the Canvas portal. Details regarding this presentation will be announced in Canvas after the midterm. This presentation is worth 80 points.

Grading Criteria Rubric and Conversion

The distribution of points in different activities and the grading scheme are mentioned below:

Student Activity	Quantity	Points	Total
Class Tests	5	48	240
Assignments	4	60	240
Midterm Exam	1	200	200
Final Exam	1	200	200
Course Presentation	1	80	80
Canvas Discussions	4	10	40
Total			1000

Point Range	Letter Grade
1000-900	A
899-800	B
799-700	C
699-600	D
599-0	F

Posting of Grades

All students' grade will be posted on the Canvas Grade book, and students can monitor their progress in this course using Canvas Portal. Students can expect to see their grades within two weeks of the closing of class tests, exams, and assignments. Students are expected to visit Canvas course webpage every week multiple times to get any update regarding this course. All updates regarding homework and tests will be posted in **"Announcement"** tab in Canvas course portal.

COURSE OUTLINE AND CALENDAR

The tentative course outline is mentioned below.

Week	Dates	Topic	Due
1	Jan 14 –Jan 20	Chapter 01; Read the chapter and assigned readings	
2	Jan 21- Jan 27	Chapter 02; Read the chapter and assigned readings	Assignment 1
3	Jan 28 – Feb 3	Chapter 03; Read the chapter and assigned readings	Class Test 1
4	Feb 4- Feb 10	Chapter 04; Read the chapter and assigned readings	
5	Feb 11- Feb 17	Chapter 05; Read the chapter and assigned readings	Assignment 2 Class Test 2
6	Feb 18-Feb 24		
7	Feb 25-Mar 03	Chapter 06; Read the chapter and assigned readings	
8	Mar 04-Mar 10	Chapter 07; Read the chapter and assigned readings	
		Midterm Exam	Midterm Exam
9	Mar 11 – Mar 17	Spring Break	
10	Mar 18- Mar 24	Chapter 07; Read the chapter and assigned readings	Class Test 3 Assignment 3
11	Mar 25- Mar 31	Chapter 08; Read the chapter and assigned readings	
12	Apr 01 – Apr 07		
13	Apr 08 – Apr 14	Chapter 10; Read the chapter and assigned readings	Class Test 4 Assignment 4
14	Apr 15 – Apr 21	Chapter 11; Read the chapter and assigned readings	
15	Apr 22- Apr 28		Class Test 5
16	Apr 29 –May 05	Chapter 12; Read the chapter and assigned readings	
			Course Presentation

Week	Dates	Topic	Due
17	May 06- May 10	Course Review and Final Exam	Final Exam

INSTRUCTOR POLICIES

Policies related to grading

- All the assignments must be submitted before the posted deadline in Canvas Course Website unless arrangements are made beforehand.
- Assignments and class tests posted before midterm exam cannot be completed/submitted after the midterm exam.
- Assignments more than **48** hours late are subject to **20%** late penalty.
- Requests for **Incomplete grades**:
 - Incompletes will only be given in emergency or other extreme circumstances. Any request for an incomplete grade in this course must be approved by the course professor prior to December 01, 2018. Where possible, requests should be submitted in written form with reasons and must include an address and/or telephone number where you may be contacted throughout the following semester.
 - For a request of an incomplete grade to be considered, at least **70%** of the total course work (**700 points**) must be completed.
 - Finally, approval of an incomplete grade (*I*) is up to the **department chair** and **college Dean**.

Instructor's Personal Statement

- The instructor reserves the right to modify the course syllabus during the semester for the benefit of the students.
- The instructor reserves the right to supplement materials presented in the text with additional course material that may help the students to understand the topic better.
- The instructor reserves the right to modify grading policy rubrics. Any Change to grading rubrics will be applied to current and possible future assignments.
- The instructor will not accept any course assignment after **May 06, 2018** in Spring 2019 semester.

Important University Dates:

- January 14, 2019 Add, Drop, and Late Registration Begins for 16- and First 8-Week. \$25 fee assessed for late registrants.
- January 14, 2019 Classes Begin for Spring Semester
- January 16, 2019 Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes
- January 21, 2019 Martin L. King Jr. Day (University Closed)
- January 22, 2019 Deadline to Drop First 8-Week Classes with No Record
- January 30, 2019 Deadline to Drop 16-Week Classes with No Record
- February 22, 2019 Student End of Course Survey Opens (First 8-Week Classes)

- February 22, 2019 Deadline to Drop First 8-Week Classes with a Quit (Q) or Withdraw (W)
- March 1, 2019 Deadline for Graduation Application for Spring Ceremony Participation
- March 1, 2019 Deadline for Teacher Education and Professional Certification Applications (i.e. Principal, Reading Specialist, etc.)
- March 8, 2019 Classes End for First 8-Week Session
- March 8, 2019 Deadline for Spring Admissions Applications
- March 10, 2019 Student End of Course Survey Closes (First 8-Week Classes)
- March 11, 2019 Spring Break – No Class (University Open)
- March 11, 2019 Deadline for Faculty Submission of First 8-Week Final Class Grades (due by 3pm)
- March 13, 2019 Spring Break – No Class (University Open)
- March 14, 2019 Spring Break – No Class (University Open)
- March 15, 2019 Deadline for Tuition and Fee Payments (Second 8-Week Classes)
- March 15, 2019 Deadline for Clinical Teaching Applications
- March 15, 2019 Spring Break – No Class (University Open)
- March 18, 2019 Add, Drop, and Late Registration Begins for Second 8-Week Classes. \$25 fee assessed for late registrants.
- March 18, 2019 Classes Begin for Second 8-Week Session
- March 20, 2019 Deadline for Add, Drop, and Late Registration for Second 8-Week Classes
- March 25, 2019 Deadline to Drop Second 8-Week Classes with No Record
- April 1, 2019 Deadline for GRE/GMAT Scores to Office of Graduate Studies
- April 5, 2019 Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
- April 12, 2019 Deadline for Final Committee-Edited Theses with Committee Approval Signatures to Office of Graduate Studies for Spring Semester
- April 26, 2019 Student End of Course Survey Opens (16- and Second 8-Week Classes)
- April 26, 2019 Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)
- May 10, 2019 Deadline for Applications for \$1,000 Tuition Rebate for Spring Graduation (5pm)
- May 10, 2019 Deadline for Degree Conferral Applications to the Registrar’s Office. \$20 Late Application Fee.
- May 10, 2019 Deadline to Withdraw from the University for 16- and Second 8-Week Classes
- May 10, 2019 Spring Semester Ends
- May 11, 2019 Commencement Ceremony Bell County Expo Center 7:00 p.m.
- May 12, 2019 Student End of Course Survey Closes (16- and Second 8-Week Classes)
- May 14, 2019 Deadline for Faculty Submission of 16-Week and Second 8-Week Final Class Grades (due by 3pm)
- May 14, 2019 Deadline for Thesis to Clear Thesis Office for Spring Semester

TECHNOLOGY REQUIREMENTS AND SUPPORT

Technology Requirements

This course will use the A&M-Central Texas Instructure Canvas learning management system.

Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com>].

Username: Your MyCT username (xx123 or everything before the "@" in your MyCT e-mail address)

Password: Your MyCT password

Canvas Support

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select "Chat with Canvas Support," submit a support request through "Report a Problem," or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

Other Technology Support

For log-in problems, students should contact Help Desk Central.

24 hours a day, 7 days a week:

Email: helpdesk@tamu.edu

Phone: (254) 519-5466

[Web Chat](http://hdc.tamu.edu): [<http://hdc.tamu.edu>]

Please let the support technician know you are an A&M-Central Texas student.

UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES

Drop Policy.

If you discover that you need to drop this class, you must complete a [Drop Request Form](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf) [https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf].

Professors cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the Academic Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

Academic Integrity.

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance

of the university's standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

Academic Accommodations.

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier free education. The Department of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the University's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](https://www.tamuct.edu/student-affairs/access-inclusion.html) webpage [https://www.tamuct.edu/student-affairs/access-inclusion.html].

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. For more information, please visit <https://www.tamuct.departments/index.php>. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines online](#), please visit the website [http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender – including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Division of Student Affairs at 254-501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

Tutoring.

Tutoring is available to all A&M-Central Texas students, both on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Dr. DeEadra Albert-Green at deeadra.albertgreen@tamuct.edu.

Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access

Tutor.com through Canvas.

University Writing Center: Located in 416 Warrior Hall, the University Writing Center (UWC) at Texas A&M University-Central Texas is a free workspace open to all TAMUCT students from 10am-5pm Monday-Thursday with satellite hours in the University Library Monday-Thursday from 6:00-9:00pm. Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via [WCOOnline](#) at [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu to schedule an online tutoring session. Tutors are prepared to help writers of all levels and abilities at any stage of the writing process.

While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the University Writing Center is here to help!

If you have any questions about the University Writing Center, please do not hesitate to contact Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu.

University Library.

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 72,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On-campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available twenty-four hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and

laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our [Library website](https://tamuct.libguides.com/) [https://tamuct.libguides.com/].

OPTIONAL POLICY STATEMENTS:

A Note about Sexual Violence at A&M-Central Texas

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the [Title IX webpage](https://www.tamuct.edu/departments/compliance/titleix.php) [https://www.tamuct.edu/departments/compliance/titleix.php].