

**Online course MGMT 4321 – 120 Production and Operations Management (CRN: 80255)**  
Fall 2019 – August 26 to December 13  
Texas A&M University-Central Texas

## **COURSE DATES, MODALITY, AND LOCATION**

This course runs from August 26, 2019 to December 13, 2019. This course is a 100% online course and uses the A&M-Central Texas Canvas Learning Management System: <https://tamuct.instructure.com>. Students should use your MyCT account and password (i.e. xx111).

## **INSTRUCTOR AND CONTACT INFORMATION**

**Instructor:** Vinay Gonela

**Office:** 217

**Phone:** 254-519-5757

**Email:** Preferred email for course – Canvas “Inbox”  
[vinay.gonela@tamuct.edu](mailto:vinay.gonela@tamuct.edu)

### **Office Hours:**

The office hours will be Monday 1:00PM to 4:00PM and Tuesday 9:00AM – 12:00PM. Students can use Canvas “chat” in the menu for the online office hours. I can also be available through Microsoft office 365 Skype. My skype ID: [vinay.gonela@tamuct.edu](mailto:vinay.gonela@tamuct.edu). Students can connect with me to discuss course related questions. In addition, students can send any questions related to the course to my Canvas “Inbox”. I will try to respond to the student's questions within 24 hours. Any other questions, students can contact me through A&M University – Central Texas email: [vinay.gonela@tamuct.edu](mailto:vinay.gonela@tamuct.edu). If the student needs assistance beyond the stated office hours, Student can send me an email through canvas inbox and we can decide a mutually agreed time for office hours. Any deviations in office hours and correspondence due to meetings and conferences will be communicated to students through instructor announcements.

### **Student-instructor interaction:**

As stated in office hours, I will be available to the students in several formats. Any interaction that require detailed discussions will be conducted through: (1) in person office appointment; (2) Canvas “chat” (Preferred), and (3) Microsoft office 365 Skype (My Skype ID: [vinay.gonela@tamuct.edu](mailto:vinay.gonela@tamuct.edu)), and (4) Phone. Students can chat with me during office hours or any other mutually agreed time. In order to talk to me on phone, students are required to schedule an appointment through canvas “Inbox”. Students can also send me any questions related to the course to my Canvas “Inbox”. I will respond to the student's questions within 24 hours. Any other questions, students can contact me through A&M-CT email: [vinay.gonela@tamuct.edu](mailto:vinay.gonela@tamuct.edu).

## **WARRIOR SHIELD**

**Emergency Warning System for Texas A&M University-Central Texas**  
Warrior Shield 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 Warrior Shield through their myCT email account.

Connect to Warrior Shield by [911Cellular](https://portal.publicsafetycloud.net/Account/Login) [https://portal.publicsafetycloud.net/Account/Login] to change where you receive your alerts or to opt out. By staying enrolled in Warrior Shield, university officials can quickly pass on safety-related information, regardless of your location.

## **COURSE INFORMATION**

**Course Overview and description:** The primary purpose of this course is to introduce students to the field of production and operations management (POM). In this course, students will study industrial organization, scientific management, planning and control, building locations and layouts, wage rates, corporation relationships, and research. Prerequisite(s): MGMT 3301: Principles of Management, and BUSI 3311: Business Statistics.

**Course Learning Objective (CLO):** All the course objectives can be achieved by mastering each week weekly objective. At the end of the course, students meet the CLOs by achieving acceptable grade of 504 points or C (70%) or above for the entire course.

CLO1: Understand the dynamics of operations strategy and be able to develop one for a company.

CLO2: Understand key POM concepts, principles, and practices related both manufacturing and service based businesses.

CLO3: Understand the interrelationship of various function areas and the role of POM for the success of business

CLO4: Develop decision making and analytical skills that are necessary to solve POM problems.

CLO5: Gain knowledge of effective strategic, tactical and operational planning for both manufacturing and service based companies.

**Chapter based Student Learning Outcomes (CH\_SLO):** CH\_SLO enable students to master the skills in each chapter. Gaining proficiency in each of the chapters will enable students achieve CLOs. Students gain proficiency by achieving an acceptable grade of 504 points (70%) or above for the entire course.

Chapter 1 (CLO1, CLO2, CLO3): After completing this chapter, students should be able to:

CH\_SLO 1.1: Define the terms operations management and supply chain management

CH\_SLO 1.2: Identify the similarities and dissimilarities between production and service operations

CH\_SLO 1.3: Explain the three functional areas of organizations and describe how they interrelate

CH\_SLO 1.4: Summarize the two major aspects of process management

CH\_SLO 1.4: Describe the operations function and the nature of the operations manager's job  
CH\_SLO 1.5: Explain the key aspects of operations management decision making  
CH\_SLO 1.7: Briefly describe the historical evolution of operations management  
CH\_SLO 1.8: Explain the need to manage supply chain

Chapter 2(CLO1, CLO2, CLO4): After completing this chapter, students should be able to:

CH\_SLO 2.1: List several ways that business organizations compete  
CH\_SLO 2.2: Name several reasons that business organizations fail  
CH\_SLO 2.3: Define the terms mission and strategy and explain why they are important  
CH\_SLO 2.4: Discuss and compare organizations strategy and operations strategy and explain  
CH\_SLO 2.5: why it is important to link the two  
CH\_SLO 2.6: Describe the term productivity and explain why it is important to organizations  
and to countries  
CH\_SLO 2.7: Describe several factors that affect productivity

Chapter 3 (CLO4, CLO5): After completing this chapter, students should be able to:

CH\_SLO 3.1: List features common to all forecasts  
CH\_SLO 3.2: Explain why forecasts are generally wrong  
CH\_SLO 3.3: List the elements of a good forecast  
CH\_SLO 3.4: Outline the steps in the forecasting process  
CH\_SLO 3.5: Summarize the forecast errors and use summaries to make decisions  
CH\_SLO 3.6: Describe four qualitative forecasting techniques  
CH\_SLO 3.7: Prepare a moving average, weighted moving average, exponential smoothing,  
linear trend, trend adjusted exponential smoothing forecasts  
CH\_SLO 3.8: Compute and use seasonal relatives  
CH\_SLO 3.9: Compute and use regression and correlation coefficient  
CH\_SLO 3.10: Construct control charts and use them to monitor forecast errors  
CH\_SLO 3.11: Describe the key factors and trade-offs to consider when choosing a forecasting  
technique

Chapter 4/4S (CLO1, CLO2, CLO4, CLO5): After completing this chapter, students should be  
able to:

CH\_SLO 4.1: Explain the strategic importance of product and process design  
CH\_SLO 4.2: Describe what product and service design does  
CH\_SLO 4.3: Name the key questions of product and service design  
CH\_SLO 4.4: Identify some reasons for design or redesign  
CH\_SLO 4.4: List some of the main sources of design ideas  
CH\_SLO 4.5: Discuss the importance of legal, ethical, and sustainability considerations in  
product and service designs

CH\_SLO 4.6: Explain the purpose and goal of life cycle assessment  
CH\_SLO 4.7: Explain the phrase 3R's  
CH\_SLO 4.8: Briefly describe the key issues in product or service design  
CH\_SLO 4.9: Discuss several key issues in product or service design  
CH\_SLO 4.10: List the characteristics of well-designed service systems  
CH\_SLO 4.11: List some guidelines for successful service design  
CH\_SLO 4.12: Define Reliability  
CH\_SLO 4.13: Perform simple reliability computations

Chapter 5(CLO4, CLO5): After completing this chapter, students should be able to:

CH\_SLO 5.1: Name the three key questions in capacity planning  
CH\_SLO 5.2: Explain the importance of capacity planning  
CH\_SLO 5.3: Describe the ways of defining and measuring capacity  
CH\_SLO 5.4: Name several determinants of effective capacity  
CH\_SLO 5.5: Discuss factors to consider when deciding whether to operate in-house or outsource  
CH\_SLO 5.6: Discuss the major considerations related to developing capacity alternatives  
CH\_SLO 5.7: Describe the steps that are used to resolve constraint issues  
CH\_SLO 5.8: Briefly describe approaches that are useful for evaluating capacity alternatives  
CH\_SLO 5.9: Outline the steps in the decision process  
CH\_SLO 5.10: Name some causes of poor decisions  
CH\_SLO 5.11: Describe and use techniques that apply to decision making under uncertainty  
CH\_SLO 5.12: Describe and use the expected value approach  
CH\_SLO 5.13: Construct a decision tree and use it to analyze a problem

Chapter 6(CLO1, CLO4, CLO5): After completing this chapter, students should be able to:

CH\_SLO 6.1: Explain the strategic importance of process selection and the influence it has on the organization and its supply chain  
CH\_SLO 6.2: Name the two main factors that influence process selection  
CH\_SLO 6.3: Compare the four basic processing types  
CH\_SLO 6.4: Explain the need for management of technology  
CH\_SLO 6.5: List some for resign of layouts  
CH\_SLO 6.6: Describe product layouts and their main advantages and disadvantages  
CH\_SLO 6.7: Solve simple line-balancing problems  
CH\_SLO 6.8: Develop simple process layouts

Chapter 8(CLO1, CLO4, CLO5): After completing this chapter, students should be able to:

CH\_SLO 8.1: Identify some of the main reasons organizations need to make location decisions  
CH\_SLO 8.2: Explain why location decisions are important

- CH\_SLO 8.3: Discuss the options that are available for location decisions
- CH\_SLO 8.4: Discuss key considerations related to global location decisions
- CH\_SLO 8.5: Outline the decision process for making location decisions
- CH\_SLO 8.6: Describe some of the key factors that guide service and retail location decisions
- CH\_SLO 8.7: Use the techniques presented to evaluate location alternatives

Chapter 9/Chapter 10(CLO1, CLO2, CLO3, CLO4, CLO5): After completing this chapter, students should be able to:

- CH\_SLO 9/10.1: Discuss the philosophies of quality gurus
- CH\_SLO 9/10.2: Define the term quality as it relates to products and services
- CH\_SLO 9/10.3: Identify the determinants of quality
- CH\_SLO 9/10.4: Explain why quality is important and the consequences of poor quality
- CH\_SLO 9/10.5: Describe and give examples of the costs associated with quality
- CH\_SLO 9/10.6: Discuss the importance of ethics in managing quality
- CH\_SLO 9/10.7: Compare the quality awards
- CH\_SLO 9/10.8: Discuss quality certification and its importance
- CH\_SLO 9/10.9: Describe TQM
- CH\_SLO 9/10.10: Give an overview of problem solving
- CH\_SLO 9/10.11: Give an overview of process improvement
- CH\_SLO 9/10.12: Describe the six sigma methodology
- CH\_SLO 9/10.13: Describe and use various quality tools
- CH\_SLO 9/10.14: Explain the need for quality control
- CH\_SLO 9/10.15: Discuss the basic issues of inspection
- CH\_SLO 9/10.16: List and briefly explain the elements of the control process
- CH\_SLO 9/10.17: Explain how control charts used to monitor a process and the concepts that underlie their use
- CH\_SLO 9/10.18: Use and interpret control charts
- CH\_SLO 9/10.19: Assess process capability

Chapter 12(CLO1, CLO2, CLO4, CLO5): After completing this chapter, students should be able to:

- CH\_SLO 12.1: Describe the conditions under which MRP is most appropriate
- CH\_SLO 12.2: Describe the inputs, outputs, and nature of MRP processing
- CH\_SLO 12.3: Explain how requirements in a master production schedule are translated into material requirements for lower-level items
- CH\_SLO 12.4: Discuss the benefits and requirements of MRP
- CH\_SLO 12.5: Describe some of the difficulties users have encountered with MRP
- CH\_SLO 12.6: Describe MRP 2 and its benefits
- CH\_SLO 12.7: Explain how an MRP system is useful in capacity requirements planning

CH\_SLO 12.8: Describe ERP, what it provides, and its hidden cost

Chapter 13(CLO1, CLO4): After completing this chapter, students should be able to:

CH\_SLO 13.1: Define the term inventory

CH\_SLO 13.2: Describe the different types of inventory

CH\_SLO 13.3: Describe the main functions of inventories

CH\_SLO 13.4: Discuss the main requirements for effective inventory management

CH\_SLO 13.5: Explain periodic and perpetual review systems

CH\_SLO 13.6: Describe the costs that are relevant to inventory management

CH\_SLO 13.7: Describe A-B-C approach and how it is useful

CH\_SLO 13.8: Describe the basic EOQ model and its assumption and solve typical problems

CH\_SLO 13.9: Describe the quantity discount model and solve typical problems

CH\_SLO 13.10: Describe reorder point models and solve the typical problems

Chapter 14(CLO1, CLO2, CLO3): After completing this chapter, students should be able to:

CH\_SLO 14.1: Explain the terms lean operations and JIT

CH\_SLO 14.2: Describe the main characteristics of lean systems

CH\_SLO 14.3: List the five principles of the way lean systems function

CH\_SLO 14.4: List some of the benefits and some of the risks of lean operation

CH\_SLO 14.5: Describe the Toyota Production System (TPS).

CH\_SLO 14.6: List the three goals of a lean system and explain the importance of each

CH\_SLO 14.7: List the eight wastes according to lean philosophy

CH\_SLO 14.8: Identify and briefly discuss the four building blocks of a lean production system

CH\_SLO 14.9: Describe key lean improvement tools

CH\_SLO 14.10: Outline considerations for successful conversion from a traditional system to a lean system

CH\_SLO 14.11: Describe some of the obstacles to lean success

Chapter 15(CLO1, CLO2, CLO3, CLO5): After completing this chapter, students should be able to:

CH\_SLO 15.1: Explain the terms supply chain and logistics

CH\_SLO 15.2: Name the key aspects of supply chain management

CH\_SLO 15.3: List, and briefly explain, current trends in supply chain management

CH\_SLO 15.4: Outline the benefits and risks related to outsourcing

CH\_SLO 15.5: Explain what the main supply chain risks are and what businesses can do to minimize those risks

CH\_SLO 15.6: Describe some of the complexities related to global supply chains

CH\_SLO 15.7: Briefly describe ethical issues in supply chains and the key steps companies can take to avoid ethical problems

CH\_SLO 15.8: Describe the three concerns of small businesses related to the supply chain and suggest ways to manage those concerns

CH\_SLO 15.9: List several strategic, tactical and operational responsibilities related to managing the supply chain

CH\_SLO 15.10: Discuss procurement in terms of the purchasing interfaces, the purchasing cycle, ethics and centralized versus decentralized decision making

CH\_SLO 15.11: Briefly describe the key aspects of supplier management

CH\_SLO 15.12: Discuss the logistic aspects of supply chain management including RFID technology

CH\_SLO 15.13: Discuss the issues involved in managing returns

CH\_SLO 15.14: Describe some of the challenges in creating an effective supply chain and some of the trade-offs involved

**Criteria for meeting all course objectives and outcomes:** Students meet course requirements for this course by achieving a minimum aggregate score of 504 points (70%) or C grade and above grade in the entire course.

### **Required Reading and Textbook(s):**



Required Textbook: Operations Management (w/out ConnectPlus)

Author: Stevenson

Edition: 13th

ISBN: 9781259667473

**Note 1: A Student of A&M University – Central Texas is not under any obligation to purchase a textbook from a university – affiliated bookstore.**

**Video lectures:** There will be YouTube video lectures that will be posted for the problem sets or analytical portion of the textbook. Students are required to watch them in order to be successful in the course. Consequently, students are required to have a browser that will allow them to watch the posted video lectures.

**Other required materials:** Apart from the required textbook, students should have access to a computer with Microsoft Word, PowerPoint, Excel, PDF reader along with proper internet service. Students can obtain a free PDF reader at <http://www.adobe.com/products/acrobat/readstep.html>. All the materials related to the course will be available in electronic format (lecture slides, video lectures, homework assignments, exams and solutions) in Canvas: <https://tamuct.instructure.com>. Students will also be required to submit the scanned copies or images of the assignments and exams. Therefore, students are required to have a scanner and/or camera to take pictures. Students are recommended to have a hand held calculator (should be able to perform square roots and above

apart from addition, subtraction, multiplication and division – at a minimum) for calculations. Please feel free to contact me whenever you have difficulty in accessing the material.

## **COURSE REQUIREMENTS**

The assessments in this section will measure the CLOs and CH\_SLOs stated in the course information section. In this course, some of the outcomes will be measured several times using Quizzes, Assignments, case studies, and exams.

**Quizzes (CLO1, CLO2, CLO3, CLO4, and CLO5):** There will be 12 online quizzes which will be conducted on canvas. Each quiz will be worth 10 points adding up to 120 points. Each quiz will consist of 10 multiple choice questions and are timed at 15 minutes. Each quiz will assess CLOs and CH\_SLOs pertaining to the chapter (see course information). However, all the quizzes together will assess all the CLOs.

**Assignments (CLO1, CLO2, CLO3, CLO4, and CLO5):** There will be 12 assignments. Each Assignment is worth 20 points adding up to 240 points. Each assignment will have several discussion and problem solving questions. The assignments are untimed with specific due dates and are required to be submitted through canvas. The rubric for the assignment discussion question and problem solving questions are available in page 18 and page 19 respectively. For Assignments, students must show the work (according to the rubric in grading criteria and rubric and conversion) in order to receive full credit. Points will be awarded based on the correctness and quality of the work. Each assignment will assess CLOs and CH\_SLOs pertaining to the chapter (see course information). However, all the assignments together will assess all the CLOs.

**Note 2: For assignments, Students have to upload the assignment submissions at canvas website: <https://tamuct.instructure.com/>. Students can handwrite or type the answers. However, make sure to be readable when you handwrite the assignments. If you choose to handwrite, scan or take picture and submit the assignment to canvas submission.**

**Case studies (CLO1, CLO4):** There will be two case studies. Each case study is worth 50 points. The case studies consists of both discussion questions and problems. The case studies are required to be submitted in APA format. The rubric in page 18 will be used for discussion questions and the rubric in page 19 will be used for problems. Students must show the work (according to the rubric in grading criteria and rubric and conversion) in order to receive full credit. Points will be awarded based on the correctness and quality of the work. Each case study will assess CLO 1 and CLO 4.

**Exams (CLO1, CLO2, CLO3, CLO4 and CLO5):** There will be a two exams. Each exam is worth 130 points. Each exam consists of two parts: Exam: PT 1 and Exam: PT 2. Exams: PT 1 will consist of multiple choice questions adding up to 30 points and are timed at 60 minutes. Exams: PT 2 consists of discussion and problem solving questions adding up to 100 points. Exams: PT 2 are untimed and require students to show the work. The rubrics for Exams: PT 2 discussion question and problems are provided in page 18 and page 19 of the syllabus. For Exam: PT 2, students must show the work (according to the rubric in grading criteria and rubric and conversion) in order to receive full credit. Points will be awarded based on the correctness and quality of the



work.

**Note 3: Exam 1: PT 1 and Exam 1: PT 2 will be online. Exam 2: PT 1 and Exam 2: PT 2 will be both online. For both Exam 1: PT 2 and Exam 2: PT 2 students are not timed and requires students to show the work in order to receive full credits. Consequently, students have to upload the submissions at canvas website: <https://tamuct.instructure.com/>. Students can handwrite or type the answers. However, make sure to be readable when you handwrite the assignments. If you choose to handwrite, scan or take picture and submit the assignment to canvas submission.**

**Note 4: Exam 1: PT 2 and Exam 2: PT 2 should be submitted as one document rather multiple documents.**

**Note 5: Check the course outline and Calendar section for assessment due dates. All the quizzes, assignments, and case studies will be due on Sunday @ 11:59 PM.**

**Late submissions:** The instructor will not accept late submissions under any circumstances without appropriate documentation.

**Grading Policy:** Following is the grading policy that will be used for this course:

**Course Evaluation:** Table 1 presents the point scale for each of the activities performed in this class.

Table 1: Activity scores and percentages

Activity	Point scale	Percentages
Quizzes (12)	$12 * 10 = 120$	16.66%
Assignments (13)	$12 * 20 = 240$	33.33%
Case studies (2)	$50 * 2 = 100$	13.88%
Exams (2)	$2 * 130 = 260$	36.11%
Total	720	100%

**Grade computation:** Below is the grading scale for the course. Students earn the grades by completing the scheduled activities. There will no bonus points. Failure to submit the appropriate activities will result in a failing grade.

Grading Scale:

A = 648 – 720 (90% - 100%)      B = 576 – 647.99 (80% – 89.99%)

C = 504 – 575.99 (70% - 79%)      D = 432 – 503.99 (60% - 69.99%)

F = 431.99 and below (59.99% and below)

### **Grading Criteria Rubric and Conversion**

The rubrics for discussion questions and problems are provided in page 18 and page 19 respectively. It should be noted that assignments, case studies and exams will contain discussion questions and problems. Therefore, discussion rubric (Page 18) will be used for discussion questions and problems rubric (Page 19) will be used for problems. Students can

request regrade within 1 week of grading.

### Posting of Grades

All the grades will be posted on canvas. Students can view the grades in the “Grades” tab. The grades will be posted within two weeks of the submission.

## COURSE OUTLINE AND CALENDAR

### Complete Course Calendar

Week	Reading	Homework
Week 1 08/26 – 09/01	Syllabus	
Week 2 09/02 – 09/08	Chapter 1	<b>Quiz 1 &amp; Assignment 1 (Chapter 1) due by 09/08@ 11:59 PM</b> (CLO1, CLO2, CLO3, CH_SLO 1.1 - CH_SLO 1.8)
Week 3 09/09 – 09/15	Chapter 2	<b>Quiz 2 and Assignment 2 (Chapter 2) due by 09/15@ 11:59 PM</b> (CLO1,CLO2, CLO4, CH_SLO 2.1 – CH_SLO 2.6)
Week 4 09/16 – 09/22	Chapter 3	<b>Quiz 3 and Assignment 3 (Chapter 3) due by 09/22@ 11:59 PM</b> (CLO4, CLO5, CH_SLO 3.1 - CH_SLO 3.11)
Week 5 09/23 – 09/29	Chapter 4/4S	<b>Quiz 4 and Assignment 4 (Chapter 4) due by 09/29 @ 11:59 PM</b> (CLO1, CLO2, CLO4, CLO5, CH_SLO 4.1 - CH_SLO 4.13)
Week 6 09/30 – 10/06	Chapter 5	<b>Quiz 5 and Assignment 5 (Chapter 5) due by 10/06@ 11:59 PM</b> (CLO4, CLO5, CH_SLO 5.1 - CH_SLO 5.13)
Week 7 10/07 – 10/13	Chapter 6	<b>Quiz 6 and Assignment 6 (Chapter 6) due by 10/13@ 11:59 PM</b> (CLO1, CLO4, CLO5, CH_SLO 6.1 - CH_SLO 6.8)
Week 8 10/14 – 10/20	<b>Exam 1: PT 1 (online through canvas) due by 10/20 @ 11:59 PM</b> <b>Exam 1: PT 2 (online through canvas) due by 10/20 @ 11:59 PM Chapters 1, 2, 3,4, 5, and 6</b> (CLO1, CLO2, CLO3,CLO4, CLO5, CH_SLO 1.1 – CH_SLO 6.8)  <b>Case study 1 due by 10/20 @ 11:59 PM</b> (CLO1, CLO4)	
Week 9 10/21 – 10/27	Chapter 8	<b>Quiz 7 and Assignment 7(Chapter 8) due by 10/27@ 11:59 PM</b>

		(CLO1, CLO4, CLO5, CH_SLO 8.1 - CH_SLO 8.7)
Week 10 10/28 – 11/03	Chapter 9/Chapter 10	<b>Quiz 8 and Assignment 8 (Chapter 9/10) due by 11/03 @ 11:59 PM</b>
Week 11 11/04 – 11/10	Chapter 12	<b>Quiz 9 and Assignment 9 (Chapter 12) due by 11/10 @ 11:59 PM</b> (CLO1, CLO2, CLO4, CLO5, CH_SLO 12.1 - CH_SLO 12.8)
Week 12 11/11 – 11/17	Chapter 13	<b>Quiz 10 and Assignment 10 (Chapter 13) due by 11/17 @ 11:59 PM</b>
Week 13 11/18 – 11/24	Chapter 14	<b>Quiz 11 and Assignment 11 (Chapter 14) due by 11/24 @ 11:59 PM</b> (CLO1, CLO2, CLO3, CH_SLO 14.1 - CH_SLO 14.10)
Week 14 11/25 – 12/01	Chapter 15	<b>Quiz 12 and Assignment 12 (Chapter 15) due by 12/01 @ 11:59 PM</b> (CLO1, CLO2, CLO3, CLO5, CH_SLO 15.1 - CH_SLO 15.14)
Week 15 12/02 – 12/08	Review Week	<b>Case study 2 due by 12/04 @ 11: 59 PM</b>
Week 16 12/09 – 12/13		<b>Exam 2: PT 1 (online through canvas) due by 12/11 @ 11:59 PM</b> <b>Exam 2: PT 2 (online through canvas) due by on 12/11 @ 11:59 PM</b> <b>Chapters 8, 9, 10, 12, 13, 14, and 15</b> (CLO1,CLO2,CLO3,CLO4,CLO5, CH_SLO 8.1- 15.14)

**Important University Dates:**

Date	Deadline
08/26	Classes Begin for Fall semester
08/28	Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes
09/02	Labor Day
09/11	Deadline to drop 16-Week Classes with No Record
10/25	Deadline for Graduation Application for Ceremony Participation
11/09	Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
11/11	Veterans Day (Observed) - No Class
11/28-29	Thanksgiving
12/13	Fall Commencement Ceremony Bell County Expo Center 7:00 p.m. Fall Semester Ends

## 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/>] or access Canvas through the TAMUCT Online link in myCT [<https://tamuct.onecampus.com/>]. You will log in through our Microsoft portal.

Username: Your MyCT email address. Password: Your MyCT password

Students should have access to computer with Microsoft Word, PowerPoint, Excel, PDF reader along with proper internet service and browser (Required). Students can obtain a free PDF reader at <http://www.adobe.com/products/acrobat/readstep.html>. All the materials related to the course will be available in electronic format (lecture slides, video lectures, homework assignments, exams and solutions) in canvas: <https://tamuct.instructure.com>. Students will also be required to submit the scanned copies or images of the assignments and exams. Therefore, students are required to have scanner and/or camera to take pictures.

### 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](mailto:helpdesk@tamu.edu)

Phone: (254) 519-5466

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

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

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## 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](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.

For more [information regarding the Student Conduct process](https://www.tamuct.edu/student-affairs/student-conduct.html), [https://www.tamuct.edu/student-affairs/student-conduct.html].

If you know of potential honor violations by other students, you may [submit a report](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0), [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=0].

## **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 Office 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 Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](https://tamuct.instructure.com/courses/717) Canvas page (log-in required) [https://tamuct.instructure.com/courses/717]

## **Important information for Pregnant and/or Parenting Students**

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related 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. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit [Student Affairs](https://www.tamuct.edu/student-affairs/index.html) [https://www.tamuct.edu/student-affairs/index.html]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf) 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 Associate Dean in 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. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111. Tutor.com tutoring **will not offer writing support** beginning August 1, 2019, but will continue to offer other tutoring support.

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

Chat live with a tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas. Access Tutor.com through Canvas.

### **University Writing Center**

Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (TAMUCT) is a free workspace open to all TAMUCT students from 10:00 a.m.-5:00 p.m. Monday thru Thursday with satellite hours in the University Library Monday thru Thursday from 6:00-9:00 p.m. This semester, the UWC is also offering online only hours from 12:00-3:00 p.m. on Saturdays.

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 UWC is here to help!

Students may arrange a one-to-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](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can

email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) if you have any questions about the UWC and/or need any assistance with scheduling.

### **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 85,000 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 24 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](http://tamuct.libguides.com/index) [<http://tamuct.libguides.com/index>].

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## **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>].

### **Behavioral Intervention**

Texas A&M University-Central Texas cares about the safety, health, and well-being of its students,

faculty, staff, and community. If you are aware of individuals for whom you have a concern, who are exhibiting behaviors that pose a threat to safety, or individuals causing a significant disruption to our community, please make a referral to the Behavioral Intervention Team. You can complete the [referral](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2) online [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout\_id=2].

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](https://www.tamuct.edu/student-affairs/bat.html) website for more information [https://www.tamuct.edu/student-affairs/bat.html]. If a person's behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5800.

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## **INSTRUCTOR POLICIES**

Following are some of the instructor related policies. Students are required to follow them over the entire course period.

**Class Policy:** Instructor holds the right to change certain policies such as reading schedule, late submissions if the instructor feels it is necessary or beneficial for the class.

**Late submissions:** The instructor will not accept late submissions under any circumstances without appropriate documentation.

**Office hour policy:** Students are required to read the material at least once before coming to the office hours. The instructor will not teach the entire concept during office hours.

**Emergency situation:** It is the responsibility of the student to work with professor for assignment submissions under emergency. The student need to contact the professor as soon as possible, i.e., within 15 days of emergency. The professor will not accept any reasoning for non-submission after 15 days of emergency. If the student fails to complete 30% or 5 weeks of the course without notifying the professor, then the instructor will not accept any makeups or resubmissions. In that case, the student needs to either drop the course or receive the overall earned grade.

**Academic Integrity:** If the student violates any academic integrity (that include, but 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), the student will receive the following penalty:

1<sup>st</sup> Offense: One downgrade and the student has to write a 1500 word paper on academic integrity. The due date for the submission of the paper will be 3 weeks from the day of realization of violation of academic integrity by the student.

2<sup>nd</sup> Offense: The student will receive failing grade.

**Note 6: Under both offenses mentioned above, the student will be reported to university's Office of Student Conduct.**



**Communication policy:** Students are expected to have read the course content at least once before communicating with the professor for doubts. The faculty will not be able to teach the entire course or chapter content during the communications. Faculty can help students with the doubts, but not with the entire topic.

**Netiquette:** Online communication is a very critical component of any online environment, and in this course, you are expected to conduct yourself in the same respectful manner that would be followed in a face-to-face course. Be sure to abide by the following guidelines when participating in the various methods of communication with instructors and classmates:

- Think your response through before responding. Before you submit your comments, proofread your comments to prevent any misunderstandings from occurring.
- Do not capitalize everything. Capital letters may be used for the occasional EMPHASIS, but avoid typing completely in capital letters AS IT MAY APPEAR AS THOUGH YOU'RE SHOUTING!
- Keep conversations clean from foul language. The online course is an environment for positive feedback and productive dialogue. Profanity will not be tolerated.
- Use correct spelling and proper grammar. Keep your responses on topic and concise. Do not write long responses, for it will not likely be read or take up too much of another person's time.
- Do not ramble. You are not the only person behind a keyboard. Be mindful of others' feelings and treat them with the same respect that everyone deserves.
- Communicate respectfully.

In this course, you are also expected to abide by the University's student code of conduct and the policies on classroom. View the University's Student Code of Conduct online (<https://www.tamuct.edu/student-affairs/student-conduct.html>). Visit the Office of Student Conduct Website here. (<https://www.tamuct.edu/student-affairs/student-conduct.html>)

**Copyright Notice.**

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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### Rubric for discussion questions

**\*Note: This rubric will be used for discussion questions in Assignments, Case studies, and Exams**

<b>Criteria</b>	<b>No work (0%)</b>	<b>Missing work (25%)</b>	<b>Needs improvement (50%)</b>	<b>Met Expectations (75%)</b>	<b>Exceeds expectation (100%)</b>
Evidence/Content 65%	Work is not submitted	The answer has several errors in both conceptual level (textbook) and communication clarity.	The answer contains one or two basic facts that are correct (textbook), but may also have incorrect statements as well.	The answer contains most (75%) of the points that needed to be included.	The answer contains the main points and provides comprehensive understanding.
Writing mechanics 35%	Work is not submitted	Writing mechanics are a major issue.	Problems with length, format, grammar, spelling, originality, or citations.	Only minor problems with length, format, grammar or spelling, or citations. No issues with originality	No problems with length, format, grammar or spelling, originality, or citations if needed.

### Rubric for problems

**\*Note: This rubric will be used for problems in Assignment, Case studies, and Exams**

Criteria	No work 0 %	Missing work 25%	Needs improvement 50%	Met expectations 75%	Exceeds expectations 100%
Communication (25%)	<ul style="list-style-type: none"> <li>• Work is not submitted</li> <li>• Only final answers are presented without proper</li> </ul>	<ul style="list-style-type: none"> <li>• Does not select and use important information from the problem.</li> <li>• Little work is evident and/or is very confusing.</li> <li>• Words (labels and sentences), numbers, and/or pictures are not used or do not match the problem.</li> <li>• Does not use correct math vocabulary and symbols. Charts, tables and/or graphs are not used, even when appropriate</li> </ul>	<ul style="list-style-type: none"> <li>• Selects and uses some important information from the problem.</li> <li>• Work is partly complete. It may not be very clear or organized.</li> <li>• Tries to use words (labels and/or sentences), numbers and/or pictures to explain thinking. Some steps may be missing.</li> <li>• Uses some correct math vocabulary and symbols. Tries to show using charts, tables, and/or graphs if appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• Selects and uses all important information from the problem.</li> <li>• Work is complete. Organization is fairly clear.</li> <li>• Uses words (labels and sentences), numbers, and pictures to explain thinking. Every step is shown.</li> <li>• Uses correct math vocabulary and symbols. Shows data correctly using charts, tables, and/or graphs if appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• Uses appropriate information from the problem</li> <li>• Uses words, numbers and pictures to clearly explain thinking. Every step is shown</li> <li>• Uses correct math vocabulary and symbols. Shows data clearly and correctly using charts, tables, and/or graphs if appropriate.</li> </ul>
Problem Solving (75%)	<ul style="list-style-type: none"> <li>• No work is shown</li> </ul>	<ul style="list-style-type: none"> <li>• Shows little understanding of the problem</li> <li>• No clear strategy was used</li> <li>• Work has major errors</li> <li>• Answer does not make sense</li> </ul>	<ul style="list-style-type: none"> <li>• Shows some understanding of the problem</li> <li>• Tried a strategy</li> <li>• Work is partly correct</li> <li>• Answer may not make sense or solve the problem</li> </ul>	<ul style="list-style-type: none"> <li>• Shows good understanding of the problem</li> <li>• Used a strategy that worked</li> <li>• Work is mostly correct. Errors, if any, are minor</li> <li>• Answer makes sense and solves the problem</li> </ul>	<ul style="list-style-type: none"> <li>• Displays thorough understanding of the problem</li> <li>• Used the best strategy to solve the problem</li> <li>• Work is correct</li> <li>• Steps leading to the answer is correct</li> <li>• Appropriate conclusions are made</li> </ul>