

***Foundations of Learning  
Technologies in STEM  
LTEC 3000.020/.026***

Course Syllabus - Spring 2021  
Jan. 11<sup>th</sup> – May 1<sup>th</sup>

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***Office Hours:*** By appointment only. Please send me email through Canvas to set up an electronic appointment.

***Objectives:***

***Foundations of Learning Technologies in STEM*** was designed to help you view technology as an adaptive system which is made of tools, processes, and applied knowledge that is responsive to human needs and desires. Technology is a reaction to the opportunities and challenges people face; it is used for problem solving and extending human capabilities. The text will help you learn about problem solving and the engineering design process. Additionally, you will learn about the connections between technology and engineering and learn about managing, organizing, and assessing the impact of technology. You will also learn about testing, communicating, and evaluating solutions that are designed to solve human problems. After reading the text and completing the activities, you will become familiar with a variety of technological tools, systems, and processes and the ways these are applied across STEM Disciplines. By studying the course material, you will learn about the connections between Science, Technology, Engineering, and Mathematics, discover a variety of careers in STEM, learn about research, and apply technology tools. After completing this course, you should be able to successfully complete the following tasks:

- 1.) Define technology and its uses in STEM,
- 2.) Apply the steps in the engineering design process,
- 3.) Describe career options in Science, Technology, Engineering, and Mathematics,
- 4.) Explain the impact of technology on society,
- 5.) Analyze problems and design a technology-based solution,
- 6.) Explain the advantages and disadvantages of technology and engineering from a personal perspective: lifestyle, employment, and individual control,
- 7.) Explain technological systems and processes,
- 8.) Describe the interrelationship between Science, Technology, Engineering, and Mathematics in STEM,
- 9.) Describe the difference between basic and applied research, and
- 10.) Conduct a qualitative interview (qualitative – applied research) and present the findings with narrative and visuals.

### **Required Materials:**



Foundations of Engineering & Technology, 7th Edition

By: [Dr. R. Thomas Wright](#), [Dr. Greg J. Strimel](#), and [Dr. Michael E. Grubbs](#)

ISBN: 978-1-63126-886-1

Copyright: 2019

You can purchase the textbook from the [UNT Bookstore](#). In addition, you will need access to Canvas, UNT's Learning Management System. Please see the following url for additional information: <https://it.unt.edu/techtour4> on Canvas, and <http://it.unt.edu/help-desk-information> for browser requirements, plug-ins, and Internet Access.

### **Course Format:**

This course is completely online (100% online). The content will be delivered through Canvas. You will be required to purchase the textbook, read it, and complete hands-on activities, article summaries, assignments, and discussions that cover the course content. These mandatory activities will help you understand the use of information technology across STEM fields, evaluate the design of technological systems, learn problem-solving strategies, think critically about issues, and enhance your knowledge of the engineering design process. You will learn to use the tools and techniques of professionals in Learning Technologies, and you should plan to actively engage in the course by posting meaningful opinions and completing all assignments. Your posts should cover processes, tools, and procedures that address the use of information technology in professional settings.

### **Netiquette:**

This course is taught exclusively online; it covers technology and its use across STEM fields, so you will be required to demonstrate technology using behaviors that support appropriate professional and personal productivity. Please review and follow the guidance in the resources below for appropriate etiquette on the Internet or netiquette:

- <https://www.youtube.com/watch?v=6dRocIqDJh0>
- [http://www.ic.sunysb.edu/Class/che326ff/discussion\\_board/etiquette.pdf](http://www.ic.sunysb.edu/Class/che326ff/discussion_board/etiquette.pdf)
- <https://online.uwc.edu/academics/how-online-education-works>
- <http://blogs.onlineeducation.touro.edu/15-rules-netiquette-online-discussion-boards/>

### **Course Grading:**

There is no make-up work. All content is delivered online, and all course assignments must be submitted by the due date. ***No grades will be dropped*** in this course. Your grades will be weighted as follows:

Activity	Percentage of the Grade
(2) Article Summaries (200 points)	19.6%
(6) Discussion Posts and Responses to two Classmates for each post (150 points)	14.7%
(5) Assignments: Career Options in STEM (100 points) Design Solution Challenge (100 points) Problem-Solving Strategies (100 points) Equipment Experiments (100 points) Term Project Research/Qualitative Interview (200 points)	58.8%
(14) End of Chapter Posttest: For chapters 1,2,4,5,6,7,8,9,10,13,21,25,29,30 (70 points)	6.9%
<b>Total Points: 1020</b>	<b>100%</b>
(3) Class Chats in Canvas	(Extra Credit 2 pts. each for a total of 6 points)

### **Course Grading Scale:**

The grading scale is as follows:

A - 90% and above

B - 80-89%

C - 70-79%

D - 60-69%

F - 0-59%

### **Course Information LTEC 3000.020/.026:**

It is to your advantage to read the assigned material and complete the required activities each week. This will help you learn the material and keep you from falling behind. You should plan to spend 1-2 hours each day on this class. Please plan your schedule accordingly. All activities are due on the dates specified, unless there is an email message or announcement from me altering the dates. You should check your email and announcements daily, and reply in Canvas promptly.

If you are unfamiliar with Canvas, please review the student guide on your home page.

To get additional assistance, contact the UNT Helpdesk by email

([helpdesk@unt.edu](mailto:helpdesk@unt.edu)) or phone (940-565-2324) for answers to your questions.

A course schedule is available for you. Click Modules and then Schedule to see the course readings and due dates. Feel free to print the schedule to get a listing of this semester's readings and course activities. You may also view the author's PowerPoint Presentations for the chapters. These notes are a good preview, summary, or companion guide with your readings. They are found in each

learning module.

### **Class Assignments and Activities:**

Six discussion posts, two article summaries, and five assignments are required.

Each assignment is worth a total of 100 points, with the research/qualitative interview assignment accounting for 200 points. The specifications and due dates for each assignment can be found inside the learning modules. I expect you to complete the assignments yourself and submit them on or before the posted due date. I must have **your completed work by 11:00pm on the due date specified. You will lose 20 points per day for each day your work is late. This can be a significant reduction, so plan to get your work in on time.**

Three Class Chat dates have been scheduled. These sessions will permit you to ask questions and synchronously participate in discussions with your classmates. The sessions are not mandatory, but they will provide you with the opportunity to ask questions and share information you have learned. Please attend the chats in Canvas to ask questions and respond to questions. We have some interesting readings, so the chats should be informative and interesting, and you'll have the opportunity to add your insight.

The content of each chat will be available in Canvas. The dates for the chats are **Jan.12<sup>th</sup>, Feb. 9<sup>th</sup>, and April 9<sup>th</sup> from 8:00pm - 9:00pm CT. The chats should be informative and enjoyable because of the content.** Attending and adding meaningful content to the discussion will be worth 2 points of extra credit for each chat session.

### **Discussion Postings:**

For every discussion you post, you will need to answer the question(s) presented and respond **to at least two** of your classmates. Posting and responding to two of your classmates is a required part of the course. These communication activities are listed under the discussions tool, and they should be completed **during the week we read the chapter associated with the question.** Postings made at any other time, including the end of the semester will not be graded. Your posts should be meaningful. This means it should contribute to the course discussion. Simple phrases are not encouraged: "Great post!" and "Good work!" are not considered meaningful discussion posts. While a long essay is not the goal, a meaningful post of 50-75 words has these characteristics:

1. Disagrees respectfully with an alternative perspective,
2. Makes a comment that synthesizes comments by others,
3. Explains an alternative point-of-view,
4. Summarizes an observation that takes into account several different perspectives as they relate to a common theme, or
5. Encourages another person to elaborate or further explain a statement that has been made.

### **Class Supplies:**

You must access Canvas regularly with your EUID and password to complete course material. You should use <https://unt.instructure.com> to login to the course. Click on your course number (LTEC 3000.020/.026 – Spring 2021). Please make sure you backup your assignments, so you have copies of everything you send me. After submitting your work, check your email or your grades in Canvas for feedback. Feel free to contact me via e-mail through Canvas to ask questions, and please give me 48 hours to respond. I will make every effort to respond to your questions as quickly as I can.

### **Cheating:**

Cheating and plagiarism are forms of academic dishonesty. The definitions and disciplinary actions for these offenses are defined in the *UNT Policy Manual 06.003* please see (<https://policy.unt.edu/policy/06-003>).

"Plagiarism and cheating refer to the use of unauthorized books, notes, or otherwise securing help in a test; copying tests, assignments, reports, or term papers; representing the work of another as one's own; collaborating, without authority, with another student during an examination or in preparing academic work; or otherwise practice scholastic dishonesty."

"Academic dishonesty matters may first be considered by the faculty member who may assign penalties such as failing, reduction or changing of a grade in a test, course, assignment, or other academic work, denial of a degree and/or performing additional academic work not required of other students in the course. If the student does not accept the decision of the faculty member, he/she may have his/her case heard by the academic department chairperson or head for review of his/her case. If the student does not accept the decision of the academic department chairperson, he/she may then follow the normal appeal procedures listed in Disciplinary Procedures." See <https://deanofstudents.unt.edu/conduct>.

### **UNT Policies:**

#### ***Attendance Policy***

We will meet in Canvas sessions. You are required to post completed work in the discussion forums and assignment pages, and your work must follow all the guidelines provided and be submitted on or before the due date and time. Visit the [University of North Texas' Attendance Policy to learn more about the attendance policy](#).

#### ***COVID-19 Impact on Attendance***

While attendance is expected as outlined above, it is important for all of us to be mindful of the health and safety of everyone in our community, especially given concerns about COVID-19. Please contact me if you are unable to attend class because you are ill, or unable to attend class due to a related issue regarding COVID-19. It is important that you communicate with me prior to being absent so I may make a decision about accommodating your request to be excused from class. If you are experiencing any [symptoms of COVID-19](https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html) (<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>), please seek medical attention from the Student Health and Wellness Center (940-565-2333 or [askSHWC@unt.edu](mailto:askSHWC@unt.edu)) or your health care provider PRIOR to

coming to campus. UNT also requires you to contact the UNT COVID Hotline at 844-366-5892 or [COVID@unt.edu](mailto:COVID@unt.edu) for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure. While attendance is an important part of succeeding in this class, your own health, and that of others in the community, is more important.

### ***Class Materials for Remote Instruction***

Remote instruction may be necessary if community health conditions change or you need to self-isolate or quarantine due to COVID-19. You will need access to the Internet to participate in fully in this remote class. Information on how to be successful in a remote learning environment can be found at <https://online.unt.edu/learn>.

### ***Statement on Face Covering***

Face coverings are required in all UNT facilities. Students are expected to wear face coverings during their face-to-face classes. If you are unable to wear a face covering due to a disability, please contact the Office of Disability Access to request an accommodation. UNT face covering requirements are subject to change due to community health guidelines. Any changes will be communicated via the instructor.

### ***Class Participation***

You are required to participate in all activities and provide the requested information in order to receive maximum credit.

### ***Syllabus Change Policy***

Any changes to the syllabus will appear on the Announcement Board or through email in Canvas. If none are announced, regard the existing syllabus as the road map for the course during this semester.

### ***Academic Integrity Policy***

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. Such penalties include failure in the course to expulsion from the University.

### ***ADA Policy***

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If your disability is verified, the ODA will provide you with a reasonable accommodation letter that should be delivered to your instructor to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time, however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. You must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. You are strongly encouraged to deliver letters of reasonable accommodation by appointment. Faculty members have the authority to ask students to discuss such letters to protect the privacy of the student. For additional information, refer to the [Office of Disability Access website](#). You may also contact ODA by phone at (940) 565-4323.



## ***Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)***

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

## ***Emergency Notification & Procedures***

UNT uses a system called Eagle Alert to quickly notify students of critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to <http://unt.edu> for a contingency plan.

## ***Retention of Student Records***

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

## ***Acceptable Student Behavior***

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the course and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](#) to learn more.

## ***Access to Information - Eagle Connect***

Your access point for business and academic services at UNT is located at: [my.unt.edu](http://my.unt.edu). All official communication from the University will be delivered to your Eagle Connect Account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](#).

## ***Student Evaluation Administration Dates***

Student feedback is an important and essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be available during **the last weeks** of the spring session (**around April 20<sup>th</sup>**) to provide you with an opportunity to confidentially evaluate how this course is taught. You will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" ([no-reply@iasystem.org](mailto:no-reply@iasystem.org)) with the

survey link. You should look for the email in your UNT email inbox. Simply click on the link and complete the survey. Once you complete the survey you will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](#) or email [spot@unt.edu](mailto:spot@unt.edu).

### ***Sexual Assault Prevention***

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct, including sexual harassment sexual assault, domestic violence, dating violence, and stalking. Federal laws (Title IX and the Violence Against Women Act) and UNT policies prohibit discrimination on the basis of sex, and therefore prohibit sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking, and/or sexual assault, there are campus resources available to provide support and assistance. UNT's Survivor Advocates can assist a student who has been impacted by violence by filing protective orders, completing crime victim's compensation applications, contacting professors for absences related to an assault, working with housing to facilitate a room change where appropriate, and connecting students to other resources available both on and off campus. The Survivor Advocates can be reached at [SurvivorAdvocate@unt.edu](mailto:SurvivorAdvocate@unt.edu) or by calling the Dean of Students Office at 940-565- 2648. Additionally, alleged sexual misconduct can be non-confidentially reported to the Title IX Coordinator at [oeo@unt.edu](mailto:oeo@unt.edu) or at (940) 565 2759.

### **EEO/ADA Statement:**

The University of North Texas does not discriminate on the basis of race, color, religion, sex, age, national origin, gender, or veteran status in its educational programs, activities, admissions, or employment policies. Questions or complaints should be directed to the Equal Opportunity Office (940) 565-2456. TDD access is available through Relay Texas 1-800-735-2989 (TDD Callers).

The University of North Texas does not discriminate on the basis of an individual's disability, and it complies with Section 504 and Public Law 101-336 (Americans with Disabilities Act) in its admissions, accessibility, treatment, and employment practices. ADA Policy

The University of North Texas is on record as being committed to both the spirit and letter of federal equal opportunity legislation. Reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. Federal legislation (The Americans with Disabilities Act (ADA)) pursuant to section 504 of the Rehabilitation Act renews UNT's commitment to providing disabled Americans with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. **Students are responsible for** informing faculty members of their need for an accommodation by providing authorized documentation through designated administrative channels – specifically the UNT Office of Disability Accommodation. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found here: <http://disability.unt.edu>. You may visit the Office of Disability Accommodation in Sage Hall (Suite 167) by appointment on M-F from 8:00am - 5:00pm M-F, or call the office at (940) 565-4323.

By law, UNT provides academic adjustments and auxiliary aids to individuals with disabilities



who are otherwise qualified to meet the institution's academic and employment requirements. Please see your instructor outside of class and make arrangements with the ADA Office for situations requiring special accommodations.

### **Expectations of Students:**

1. **Class Preparation and Participation.** You should read the chapters and work on activities each week. See the electronic course calendar to see required weekly readings and activities.
2. **Appropriate Materials.** You should back-up your work, and adhere to deadlines listed in the electronic course calendar.
3. **Class Attention.** You should check the course your daily to keep abreast of any changes, special announcements, and course-related information.
4. **Assignments and Discussion Postings.** You should complete all assignments, blog entries, and discussion posts and submit them for grading on their due dates. For your convenience, all course requirements have been entered and you may work ahead of the schedule.

**NOTE ABOUT MEDICAL EMERGENCIES:** If you have a medical emergency that will prevent you from completing the course as scheduled, you **MUST** notify me. “An Incomplete Grade ("I") is a non-punitive grade given only during the last one-fourth of a term/semester and only if a student (1) is passing the course and (2) has a justifiable and documented reason, beyond the control of the student (such as serious illness or military service), for not completing the work on schedule. The student must arrange with the instructor to finish the course at a later date by completing specific requirements.” These requirements must be listed on a Request for Grade of Incomplete form signed by the instructor, student, and department chair; and also entered on the grade roster by the instructor. Grades of "I" assigned to an undergraduate course at the end of the Fall 2007 semester and later, will default to "F" unless the instructor has designated a different automatic grade.” Source: <https://registrar.unt.edu/grades/incompletes>

**Add/Drop Policy:** The department adheres to the add/drop schedule established and published by the UNT Office of the Registrar. See the Student Financial Services Website for information on refunds and deadlines: <https://sfs.unt.edu/class-drop-and-withdrawal-refunds>.

### **Spring 2021 Regular Session (REG)**

Last day to withdraw for 100% refund	Jan. 10th
First Class Day	Jan. 11th
Last day to withdraw for 80% refund	Jan. 15th
Last day to withdraw for 70% refund	Jan. 22th
Census Date, Last day to Drop for full refund	Jan. 25th
Last day to withdraw for 50% refund	Jan. 28th
Last day to withdraw for 25% refund	Feb. 3rd

### **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).

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

(<https://international.unt.edu/content/international-student-scholar-services>), telephone 940-565-2195 or email [internationaladvising@unt.edu](mailto:internationaladvising@unt.edu)) to get clarification before the one-week deadline.

## Proposed Course Schedule

Week(s)	Chapters You Should Read	Focal Points and Activities (Asg. = Assignment)	Points
#1 Jan. 11 – 15	FET= <u>Foundations of Engineering &amp; Technology</u> Chapters <b>1 &amp; 2</b> (pp. 4 – 31)	Technology and Engineering Connected by Math and Science  <b>Chat #1 Due 1/12/2021 -- 8:00pm – 9:00pm CT</b> Look for Chat information posted in the Course announcements  Introduction – Tell us about yourself in Discussion Post #1 Due 1/13/2021  Posttest Activity #1 (Chapters <b>1 &amp; 2</b> ) Due on 1/15/2021	25 points  2 points extra credit     <b>10 points chapter posttest activity</b>
#2 Jan. 18 – 22 (Jan 18 <sup>th</sup> MLK Holiday)	FET= Chapters 3, <b>4</b> , & <b>5</b> (pp. 32-93)	Technology, Problem-Solving and Engineering Design  Asg. #1 Due 1/20/2021 (Career Options in STEM) Posttest Activity #2 (Chapters <b>4 &amp; 5</b> ) Due on 1/22/2021	Asg. #1 100 points <b>10 points chapter posttest activity</b>
#3 Jan. 25 – 29	FET= Chapters <b>6</b> , <b>7</b> , & <b>8</b> (pp. 94-151)	Creating, Evaluating, and Communicating Design Solutions Discussion Post #2 Due 1/25/2021 Asg. #2 Due 1/27/2021 (Design Challenge) Posttest Activity #3 (Chapters <b>6, 7, &amp; 8</b> ) Due on 1/29/2021	25 points 100 points <b>15 points chapter posttest activity</b>
#4 Feb. 1 – Feb. 5	FET= Chapters <b>9 &amp; 10</b> (pp. 152-191)	Technology as a System that includes IPO (Input, Processing & Output)  Asg. #3 Due 2/03/2021 (Problem-Solving Strategies) Posttest Activity #4 (Chapters <b>9 &amp; 10</b> ) Due on 2/05/2021	100 points <b>10 points chapter posttest activity</b>
#5 & #6 Feb. 8 – Feb. 19	FET= Chapters 11,12, <b>13</b> & 14 (pp. 192-277)	Technological Processes, Feedback, and Ways to Process Resources  <b>Chat #2 Due 2/09/2021 8:00-9:00pm CT</b> Discussion Post #3 Due 2/11/2021  Posttest Activity #5 (Chapter <b>13</b> ) Due on 2/18/2021	2 points extra credit 25 points <b>5 points chapter posttest activity</b>
#7 & #8 Feb. 22 – Mar. 5	FET= Chapters 18, <b>21</b> , <b>25</b> & <b>29</b> (pp. 342-367, 420-449, 530-551 & 636-651)	Architecture and Civil Engineering to Meet the Needs of People, Spotlight on Medical Technologies, Communicating Information and Ideas Appropriately, and A Societal View of Technology and Engineering  Discussion Post #4 Due 2/25/2021 Asg. #4 Due 3/03/2021 (Equipment Experiments) Posttest Activity #6 (Chapters <b>21, 25, &amp; 29</b> ) Due on 3/05/2021	25 points 100 points <b>15 points chapter posttest activity</b>
#9 Mar. 8 - 12	Review prior readings and course work	Technology as a Human Endeavor for Productivity, Accuracy, Entertainment/Leisure, Education, and Opportunity	

#10 & #11 Mar. 15 – 26	FET= Chapters <b>30</b> (pp. 652-667) & 32 (pp. 684-703)	Technology and Engineering from a Personal Lens Organizing and Managing Technological Enterprises  Discussion Post #5 3/17/2021 Posttest Activity #7 (Chapter <b>30</b> ) Due on 3/19/2021	25 points <b>5 points chapter posttest activity</b>
#12 & #13 Mar. 29 – April 9	FET= Chapters 31 (pp. 670-681 ) & 33 (pp. 706-715)	Assessing the Impact of Technology  Article Summary #1 Due 3/31/2021 Discussion Post #6 4/08/2021 <b>Chat #3 4/09/2021 8:00pm – 9:00pm CT</b>	100 points 25 points 2 points extra credit
#14 #15 & #16 Apr. 12 - May 1	Review prior readings and coursework Wrap Up	Article Summary #2 Due 4/14/2021  Assignment #5 Due on 4/16/2021 (Term Project Research/Qualitative Interview)	100 points 200 points extra credit
April 24 – May 1 Final Exams			<b>1020 points + 6 Extra Credit</b>