CEE 181: Technological, Social, and Sustainable Systems

Overview

Understand the impact of technology on sustainability and society, using relevant historical examples and current issues in the news, and gain insight on the cultural frameworks within which ideas such as sustainability and different technologies are understood and evolve. You'll also explore emerging technologies from the Industrial Revolution through present day, leading to a future that will be complex and challenging, and in many ways look like science fiction.

What You'll Learn

- The importance of technology and technological systems
- The social and environmental implications of design, construction, operation, and management of technology systems
- The critical principles of complexity and complex systems
- How art, cinema, literature, and other cultural products create the ground from which technological systems emerge, and affect the evolutionary paths of technological systems
- The economic, environmental, social, cultural, philosophic, and religious issues and impacts associated with technology systems and emerging technologies at a broad cultural and geographic level extending across urban, regional, national, and global scales

How to Succeed

To be successful in this course, we recommend English language fluency and computer literacy. We also encourage you to make sure your laptop or desktop computer meets the technical requirements.

Earn College Credit

This course appears on your transcript identically to how it appears on the transcript of an enrolled ASU student.

This course satisfies 3 credit hours toward the Humanities, Arts and Design (HU) General Studies requirement for Arizona State University. It is strongly encouraged that you consult with your institution of choice to determine how these credits will be applied.

In order to receive academic credit for this course, you must earn a grade of "C" or better. You have one year to add the course to your transcript.

Exams and Grading

10%	10%	20%
Graded Discussions	Content Mastery	Quizzes

30%	30%	
Midterm Exam	Final Exam	

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CEE 181: Continued

Time Commitment

This is an asynchronous, online course. This means, while you will have deadlines, you do not need to be at your computer at specific times or participate in live activities.

To be successful in this class, you must view all course pages and complete all graded work by the deadlines indicated. Also, keep in mind that "attendance" in an online course means logging into the platform on a regular basis, checking for course announcements, and visiting and participating in the discussion forums.

This 3 credit, 8 week course requires about 135 hours of work. Therefore, expect to spend approximately 15-20 hours per week preparing for and engaging in this course.

Materials

This course makes use of open educational resources (OERs) provided within the course, **no purchase necessary**.

Graded Assignments

Graded assignments are required and count towards your final grade. Students must submit all assignments via the course site unless otherwise instructed.

Topical Discussions (10%): These discussion questions provide you with an opportunity to deepen your understanding of the material, apply what you have learned, and engage with your instructor and peers in the process.

Content Mastery (10%): There are seven interactive content mastery exercises. You must reach level 0.1 on each interactive content mastery exercise to receive credit.

Quizzes (20%): You will take a total of eight quizzes: A Course Readiness Quiz on the course's Academic Integrity policies and Syllabus, plus seven quizzes on the course material. Each quiz is open book/open notes, and must be completed by you, by the specified deadline. The quizzes consist of both multiple choice and true/false questions. Each quiz covers the week's readings, lectures, and video materials.

Midterm Exam (30%): The midterm exam covers content from weeks 1-3. The exam will have the same style and content level as the quizzes.

Final Exams (30%): The final exam will cover content from weeks 4-7. The exam will have the same style and content level as the quizzes.

Assignment Deadlines

Your instructional team will provide all content and learning activities on or through your course site. It is your responsibility to review all content, fulfill all assignments on time, and ask any questions you have in the designated discussion area. It is also your responsibility to determine the due dates and times for all course assignments according to your time zone. Due to the large-scale format of Universal Learner Courses, late assignments will not be accepted at any point during the course, and we cannot make exceptions.

Course Communication

All communication will take place via the discussion forums and course announcement page. There will be a discussion forum where you can post general questions, comments, and direct inquiries for the instructor and course team. Please use these forums to ensure a timely response. Your instructor will not be able to respond to email.

Additional Information

If you have questions about Universal Learner Courses and how they work, please visit ea.asu.edu or contact our support team at ulcourses@asu.edu.