

Technology, Society, and Education

New Mexico State University

Fall 2024, August 21, 2024 – December 13, 2024

Instructor: Melissa Warr

Office Location: 200C O'Donnell Hall

Email: warr@nmsu.edu

Phone: 575-646-3540 (preferred contact: email)

Office Hours: By appointment. Please use this link to schedule an online appointment with me:

<https://calendly.com/melissawarr/15min>. I will respond to emails and calls within 48 hours on business days.

Course: EDLT 6230 M70, U70

Credit Hours: 3

Delivery method: Online and asynchronous

Required Texts

All texts will be open-source and provided in Canvas.

Course Overview

Welcome to EDUC 5130!

In this course, we will explore the relationships among technology, society, and education. We will explore current research and theory and extend these ideas with our own insights. By the end of the course, we will produce an open-source book that explores our own ideas and thoughts on technology, society, and education.

Course Questions

Instead of learning objectives, this course will focus on questions—questions that come from me and questions that come from you. All will hinge around the anchoring question:

How does the interplay between technology, education, and society shape our present and future, and how can we critically engage with these changes to design a more equitable and informed society?

The course will be broken down into 4 units, each with several core questions:

Unit 1: Technology and Society

How has the evolution of technology influenced societal structures, communication, and cultural development, and what does this imply for the future of society?

Unit 2: Society and Education

How does the interaction between education and societal change influence the development of educational systems and their ability to address contemporary challenges?

Unit 3: Technology and Education

How do historical and contemporary theories of educational technology inform our understanding of its potential role in modern educational practices?

Unit 4: Bridge- Educational Technology Implementation and Research

What lessons can be learned from past technology flops and media replication studies that can guide the successful integration of technology in educational systems, building on the theoretical and practical frameworks previously discussed?

Unit 5: Technology, Society, and Education

How do the successes and failures of educational technologies, along with challenges in digital literacy, equity, and access, influence societal development and our collective ability to create a more just and informed world?

Engagement Hours

The course is designed to provide learning opportunities and activities totaling a minimum of 127.5 hours. This estimate is for the typical student. The designed activities may take you more or less time to complete depending on your experience and familiarity with the course topics. Following is a breakdown of time estimates for activities in this course:

- Assigned reading and resources: articles and videos at the beginning of each module
- Collaborative reading and other assignments: readings on Perusall and other miscellaneous assignments
- Packback Questions: ongoing class discussion about course content, divided into 5 parts
- Packback Deepdives: synthesis essays for each class unit
- Final Collaborative Project: with one or more co-authors, contribute a chapter to an open-source book. This will involve a proposal, draft, peer review, and final chapter.

Activities	Unit	Hours Per Unit	Course Total
Readings	15 weeks	3 hrs	45
Activities (Perusall, and other activities)	15 weeks	2 hrs	30
Packback Questions	5 assignments	2 hrs	10
Packback Deepdives	4 assignments	4 hrs	16
Final Project	1 assignment	26 hrs	26
		Course Total	127

Course Expectations

Online courses require a significant amount of self-discipline, and doctoral courses are rigorous. Instead of breaking time into an in-person class and then homework, all hours are online and mostly independent. Plan your schedule to have several times per week to work on class (do not try to complete all work in one day).

All students should exhibit the behavior of a mature college student and complete assignments by assigned due dates. Missing weekly assignments will adversely affect your grade. You are expected to log-in regularly during each week to complete all assignments including participation in the course discussions. *You will not be able to make up missed discussions or group activities.*

This course is not self-paced! Therefore, begin working on course readings and activities toward the beginning date of each module and work consistently until the end of each module.

Course Organization

This course is divided into an introduction, 5 units, and final reflection. Each week will address a different topic and will include readings and assignments. There will also be synthesis essays due at the end of each unit and a final project.

An additional overview module includes course information, an introduction video, and a Canvas tour video.

Course Schedule

Week	Topic	Technology Skills and Final Project	Assignments Due*
1: 8/21-25	Introduction and Using AI	Using large language models (LLMs)	Introduction Discussion
Unit 1: Technology and Society			
2: 8/26-9/1	Technology and Its History	Learning and Troubleshooting Tools	
3: 9/2-8	Media and Message	Internet Basics	Deep Dive 0
4: 9/9-15	Creativity and Design	Effective Presentations	Packback Questions 1
Unit 2: Education and Society			
5: 9/16-22	Critical Digital Literacy	File Types	Deep Dive 1
6: 9/23-29	Education as a Designed Complex System	Visual and Video Tools	Packback Questions 2
7: 9/30-10/6	Catch-Up/Get Ahead Week!		
Unit 3: Technology and Education			
8: 10/7-13	Early Research in Educational Technology	Open Resources: EdTech Books	Deep Dive 2

9: 10/14-20	Technology Integration Models	Copyright and Creative Commons	Packback Questions 3
10: 10/21-27	Technology Adoption	Genres	
11: 10/28-11/3	Online Learning	Final Chapter Sign-up; Proposal	Packback Questions 4
Unit 4: Bridge			
12: 11/4-10	Educational Technology Implementation and Research	Chapter Proposal Due	Deep Dive 3
Unit 5: Technology, Society, and Education			
13: 11/11-17	The Digital Divide and Equity	Chapter Draft	
14: 11/18-24	Generative AI's Impact on Education and Society	Chapter Draft Due	Packback Questions 5
Thanksgiving Break			
15: 12/2-8	The Postman Rings Twice	Peer Review	Deep Dive 4
16: 9/9-13	Final Reflection and Project	Final Draft	
Final Project due Friday, December 12, 2024			

*Additional assignments, including Perusall discussions, will be added.

NOTE: The deadline for withdrawing from a course to receive a refund is **September 6, 2024**. Students may withdraw from a course and receive a "W" (no refund) by **October 21, 2024**. The last day to withdraw from the university is **December 6, 2024**. All important dates can be found at <https://records.nmsu.edu/important-dates-students/>.

Assignments and Grading

See Canvas for full assignment descriptions and due dates.

Category	Description	Weight of Grade
Perusall and Misc. Assignments	Readings on Perusall and other miscellaneous assignments	20%
Packback Questions	Ongoing class discussion about course content, divided into 5 parts	15%
Deep Dives	Synthesis essays for each class unit	30%

Final Project	With one or more co-authors, contribute a chapter to an open-source book. This will involve a proposal, draft, peer review, and final chapter.	35%
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Note: Grades in the course are assigned using Fractional Grading

Grading Scale

Grade	Percentage
A	94% +
A-	90% – 93%
B+	87% – 89%
B	84% – 86%
B-	80% – 83%
C+	77% – 79%
C	74% – 76%
C-	70% – 73%
D+	67% – 69%
D	64% – 66%
D-	60% – 63%
F	0% – 59%

Policies

Use of Artificial Intelligence

Use of AI tools is permitted in this course for students who wish to use them. If AI is used for an assignment, students must provide a brief explanation of how it was used. Using an AI tool to generate content without disclosure qualifies as academic dishonesty.

Online Preparation

As this is an accelerated graduate-level course, you will be expected to commit significant time each week. According to the Carnegie Credit Hour system, you can expect to spend up to 8 hours on this course each week. You should spread the work across the week, as you will need to participate several times each week to fully participate in discussions. You are expected to access the course no later than the 2nd day of each week.

Required Technical Skills

Taking an online course requires a number of technical skills as well as other soft skills. However, at a minimum you will need to meet certain technology responsibilities to complete work for this course. If you have questions about technical requirements for the course, please contact me immediately.

To begin in this course, you must:

1. Read this syllabus carefully and contact me immediately if you have any questions. You are responsible for the content and assignments in this syllabus.
2. Be able to obtain access to an internet connection, preferably broadband, and a working computer for the duration of this course.
3. Be Proficient with Microsoft© Office applications.
4. Be able to conduct research searches on the Internet; see the [libguide for this course](#), the [NMSU Library](#) and [Research Help for Students](#)
5. Find resources on the Internet; see [Internet Tutorials](#).
6. Be able to send and receive emails and email attachments in and out of class.
7. Know how to change your Canvas Notification settings.
8. Know how to read email in Canvas.
9. Maintain backups of all work you create for this course.

Netiquette

Netiquette is a set of rules for behaving politely online. Something about cyberspace makes it easy for people to forget that they are interacting with other real people. The following bullet points cover some basics to communicating online:

1. Be sensitive to the fact that classmates will come from different cultural and linguistic backgrounds, as well as hold different political and religious beliefs. Plus they will have other differences.
2. Use good taste when composing your responses in Discussion Forums. Swearing and using profanity is often insensitive to your classmates so should be avoided. Also, consider that slang can be misunderstood or misinterpreted.
3. Don't use all capital letters when composing your responses as this is considered "shouting" on the Internet and is regarded as impolite or aggressive. It can also be stressful on the eye when trying to read your message.
4. Be respectful of others' views and opinions. Avoid "flaming" (publicly attacking or insulting) them as this can cause hurt feelings and decrease the chances of learning from different points of view.
5. Be careful when using acronyms. If you use an acronym it is best to spell out its meaning first, then put the acronym in parentheses afterward, for example: Frequently Asked Questions (FAQs). After that you can use the acronym freely throughout your message.
6. Use good grammar and spelling, and avoid using text-messaging shortcuts.

Technology Requirements

Supported Software

All programs are available through NMSU or have free licenses available:

- [Canvas LMS](#)
- [Zoom](#)
- [Canvas Studio](#)
- Flipgrid (access through Canvas)
- Perusall (access through Canvas)
- [Scratch](#)

- [Canva](#)
- [Adobe Express](#)
- Microsoft Office Suite
- Other free media creation tools such as Google Sites, Wix, etc. You will choose which of these tools to use.

Computer and Operating System

- 4GB of RAM or higher
- Dual Core 2GHz or higher (Intel Core i5 processor or equivalent)
- Microphone (built-in, wired, USB, wireless or Bluetooth)
- Web camera (built-in or USB)

Operating System:

- Windows 10 or higher
- OS X 10.13 or higher

A list of Academic Technology favorite microphones and USB webcams can be found at <https://learning.nmsu.edu/minimum-technology-requirements/>

Internet

- Broadband connection (25 Mbps download, 3Mbps upload as defined by the [FCC](#))
- Wired connection (ethernet) preferred
- Stable wireless connection is acceptable
- Use the [NMSU Checs Speedtest](#) to test your internet speed

Web Browsers

- Latest two versions of [Chrome](#)
- Latest two versions of [Firefox](#)
- Javascript must be enabled

Use only the latest version of Google Chrome or Mozilla Firefox for Canvas. Safari, Internet Explorer and Microsoft Edge have known issues that can interfere with performing basic tasks within Canvas. The links to ensure you have the latest version are listed below:

- [How to update Google Chrome](#)
- [How to update Mozilla Firefox](#)

Accessibility of eLearning Tools

Some general or common VPAT links. Add or revise as needed.

- [Adobe Products: Section 508 VPATs for \(Adobe Connect 9, Adobe Acrobat, and more\)](#)

- [Apple Products: Section 508 VPATs for](#) (Safari Web Browser, Mac OS X, and more)
- [Microsoft Products: Section 508 VPATs for](#) (Internet Explorer, Office, Skype, and more)
- [Google Products: Section 508 VPATs for](#) (Google Earth, Chrome Web Browser, Google Docs, and more)
- [Firefox Web Browser: Section 508 VPAT \(version 3.5 and up\)](#)

Technical Support

The ICT Customer Service Center is equipped to deal with all of your information technology (IT) and telecommunications needs at NMSU. The ICT Customer Service Center hours of operation are from 8:00 am until 5:00 pm Monday through Friday Mountain Time. Please feel free to contact them at 646-1840 or via e-mail at helpdesk@nmsu.edu.

You can also go to the [Student Technology Help](#) web page and [Student Resources](#) located at the [Canvas](#) web page for additional information on Canvas.

Syllabus Modifications Statement This syllabus is subject to revision to best fit the educational needs of the class. Any changes or modifications will be announced in class and/or on Canvas.

Student Services and University Policies

Please visit <https://provost.nmsu.edu/faculty-and-staff-resources/syllabus/policies.html> for university policies and student services, including Discrimination and Disability Accommodation, academic misconduct, student services, final exam schedule, grading policies and more.

Discrimination and Disability Accommodation

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:

Main Campus

Disability Access Services

Corbett Center Student Union Room 204

Aaron Salas, Director

575-646-6840

das@nmsu.edu New Mexico State University, in compliance with applicable laws and in furtherance of its commitment to fostering an environment that welcomes and embraces diversity, does not discriminate on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex (including pregnancy), sexual orientation,

spousal affiliation, or protected veteran status in its programs and activities, including employment, admissions, and educational programs and activities. Inquiries may be directed to the Laura Castille, Executive Director, Title IX and ADA/Section 504 Coordinator, Office of Institutional Equity, P.O. Box 30001, E. 1130 University Avenue, Las Cruces, NM 88003; 575.646.3635; 575-646-7802 (TTY); equity@nmsu.edu. New Mexico State University, in compliance with applicable laws and in furtherance of its commitment to fostering an environment that welcomes and embraces diversity, does not discriminate on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex (including pregnancy), sexual orientation, spousal affiliation, or protected veteran status in its programs and activities, including employment, admissions, and educational programs and activities. Inquiries may be directed to the Laura Castille, Executive Director, Title IX and ADA/Section 504 Coordinator, Office of Institutional Equity, P.O. Box 30001, E. 1130 University Avenue, Las Cruces, NM 88003; 575.646.3635; 575-646-7802 (TTY); equity@nmsu.edu. **Title IX prohibits sex harassment, sexual assault, dating and domestic violence, stalking and retaliation. For more information on discrimination or Title IX, or to file a complaint contact:**

Laura Castille, Executive Director and Title IX Coordinator
Office of Institutional Equity (OIE) - O'Loughlin House, 1130 University Avenue
Phone: (575) 646-3635
E-mail: equity@nmsu.edu
Website: equity.nmsu.edu

Other NMSU Resources:

NMSU Police Department:	(575) 646-3311	www.nmsupolice.com
NMSU Aggie Health & Wellness (Medical and counseling services):	(575) 646-1512	https://wellness.nmsu.edu/
NMSU Dean of Students:	(575) 646-1722	
For Any On-campus Emergencies:	911	