

**WELCOME TO**



*A SCTCS Division of Academics, Student Affairs & Research Initiative*

**TILT**

**TEACHING & LEARNING TUESDAY**

**AI FOR THE TRAINED EYE**

June 18, 2024

2:30pm

# ABOUT THE PRESENTERS



**MAGGIE FLOYD**

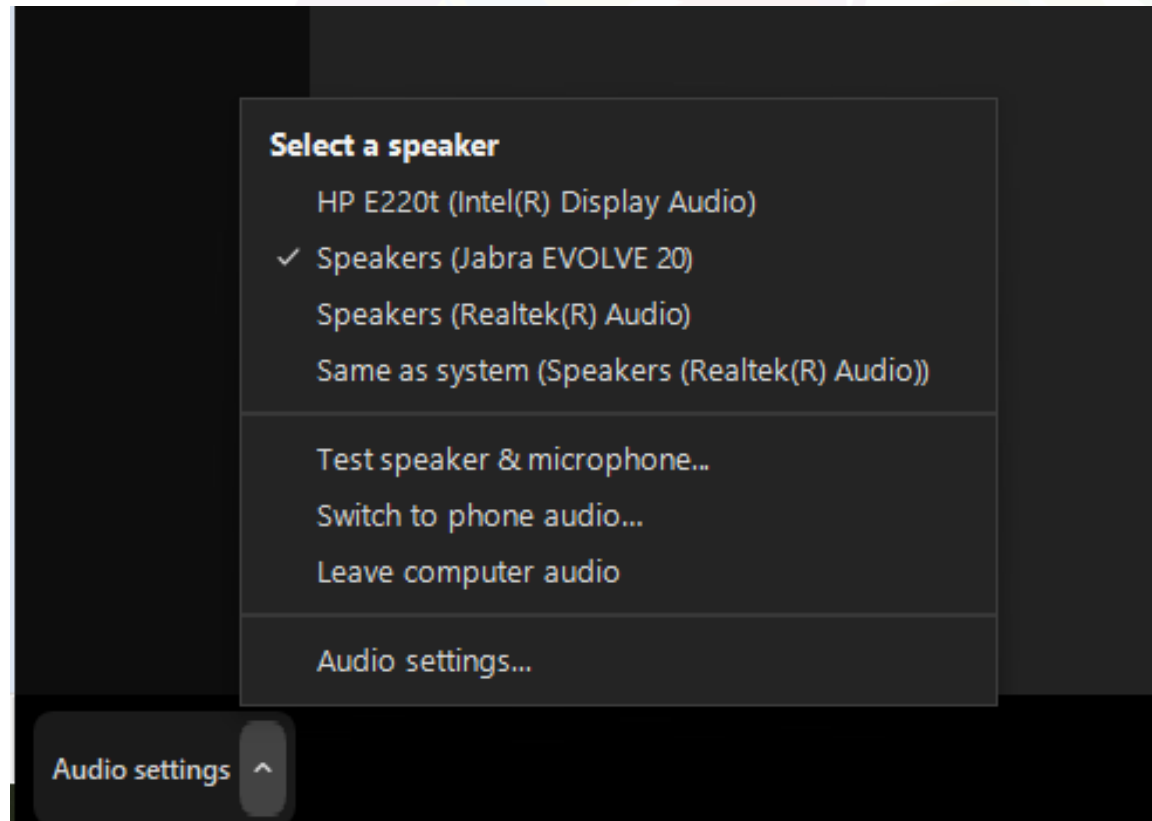
Central Carolina Technical College



**SCOTT CHALUPA**

Central Carolina Technical College


# ZOOM WEBINAR



# ZOOM WEBINAR

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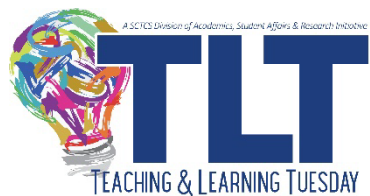
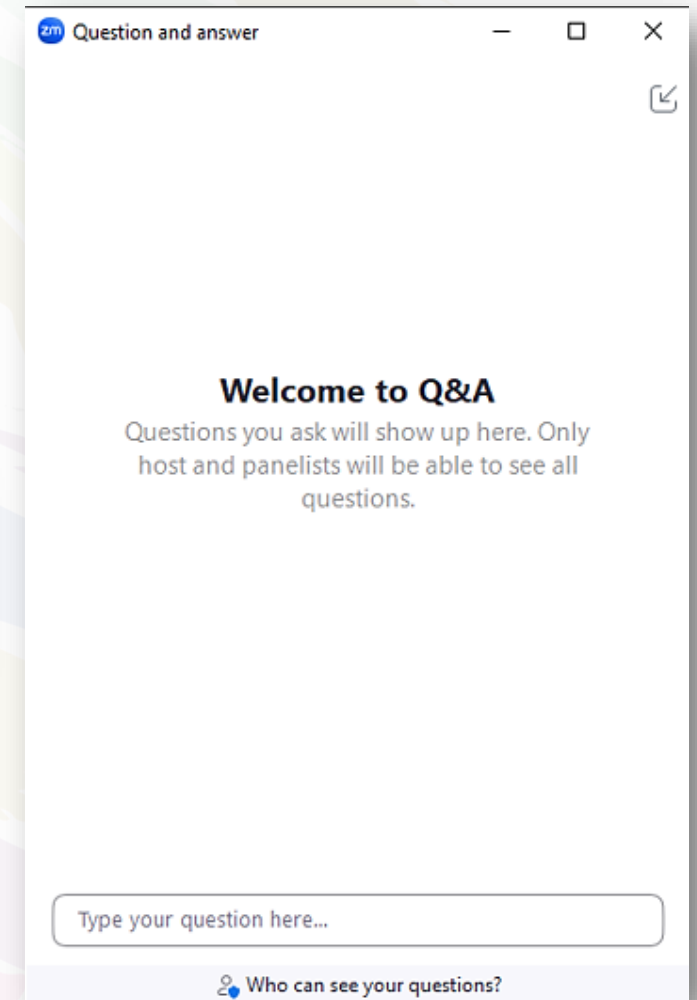
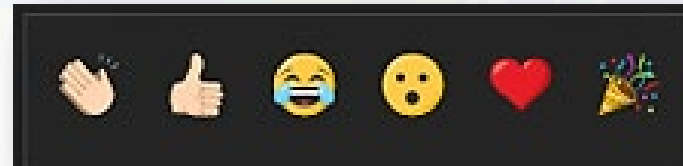
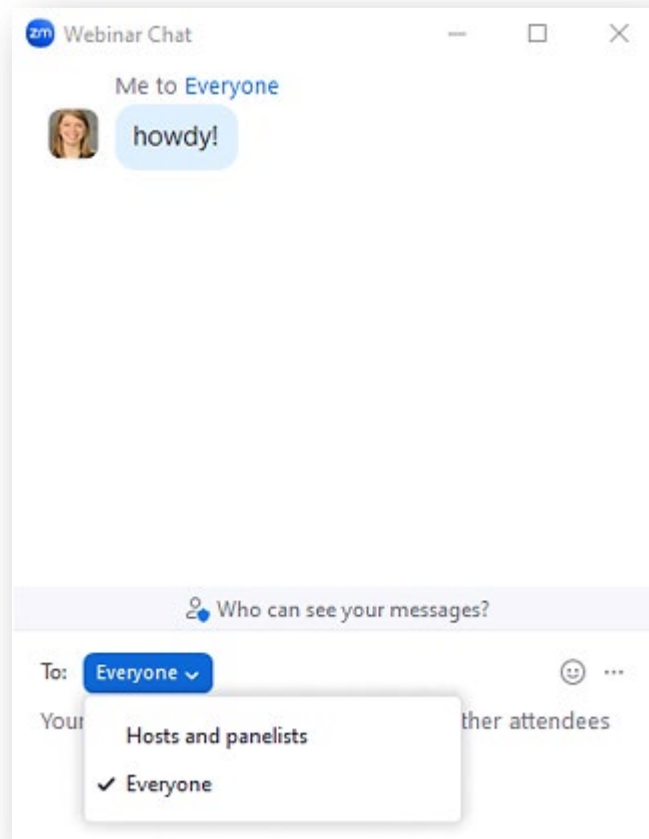


A SCTCS Division of Academics, Student Affairs & Research Initiative  
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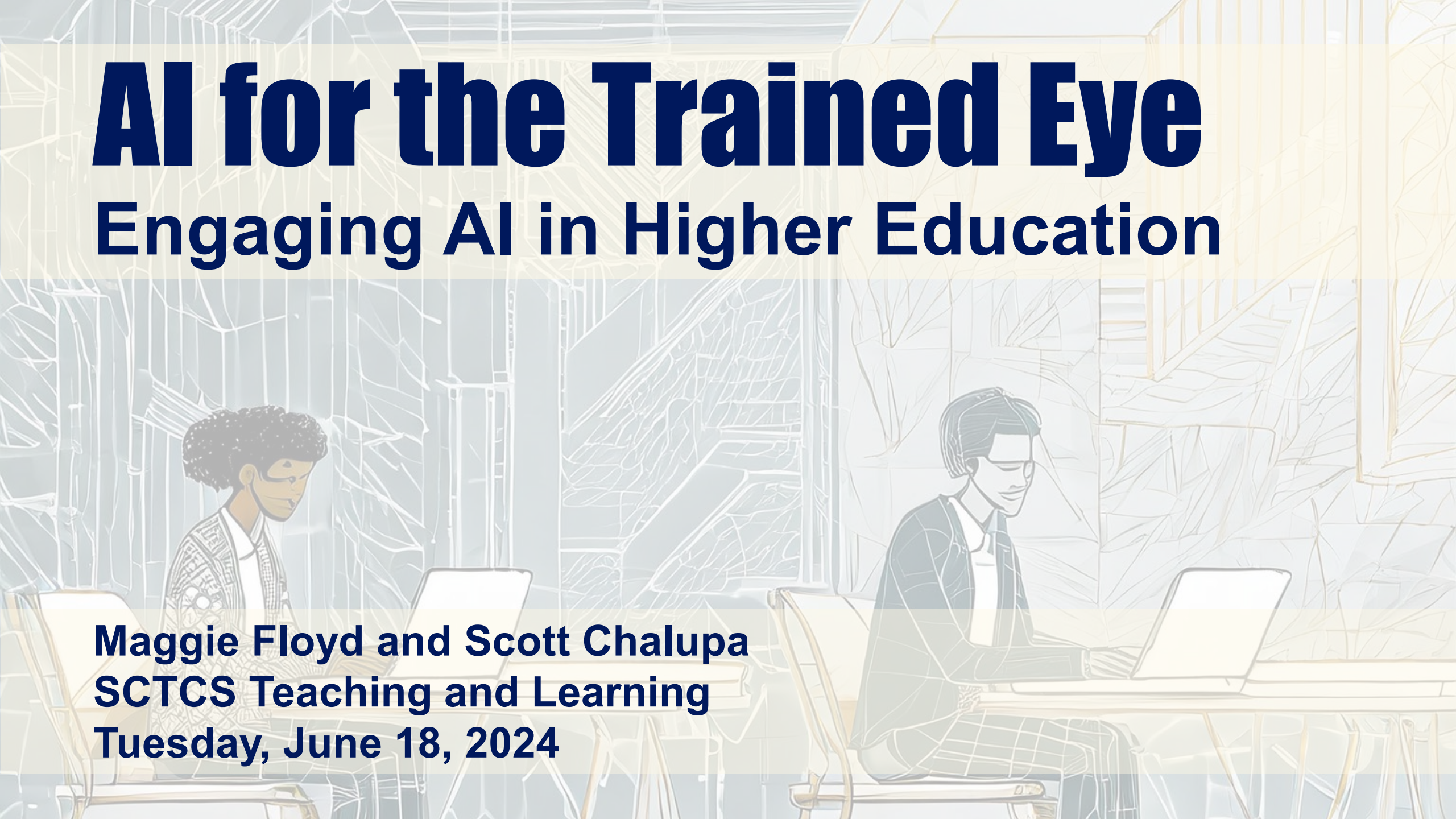
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# ZOOM WEBINAR



# **AI for the Trained Eye**

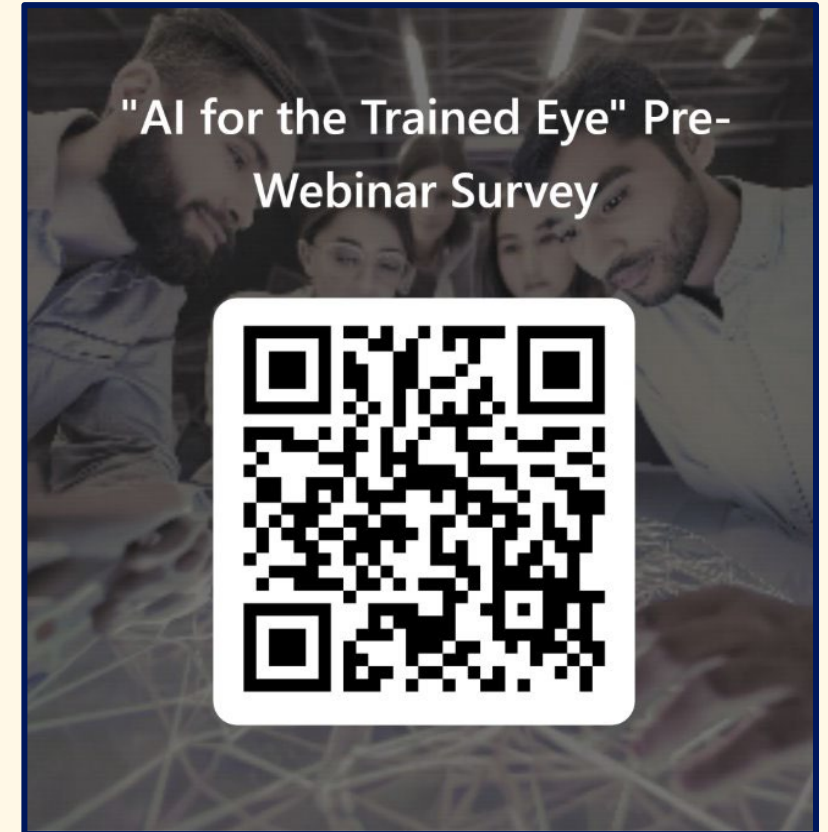
## **Engaging AI in Higher Education**

An illustration of two people, a woman on the left and a man on the right, sitting at desks in a classroom or office environment. They are both looking at their laptops. The background is filled with faint, sketchy lines representing architectural structures or a complex network. The overall style is a light blue and yellow color palette with a hand-drawn aesthetic.

**Maggie Floyd and Scott Chalupa**  
**SCTCS Teaching and Learning**  
**Tuesday, June 18, 2024**

# AGENDA

- Poll →
- AI Risks
- Opportunities
- Definitions
- Institutional Guidance
- Show & Tell (grab your phone!)
- Let's Talk About It





# **STRAINED EYES: AI RISKS**



# RISKS AND DILEMMAS

- "Artificial Intelligence" is a Misnomer
- Human Creativity / Critical Thought
- Academic Integrity and Ethics
- Displacement / Cash Grab
- Security and Privacy
- Biases and Barriers
- Reliability



# POLL TIME: TOP 3 CONCERNS?

- Critical Thinking
- Creativity
- Security
- Privacy
- Biases
- Barriers
- Displacement
- Cash Grab
- Reliability
- Academic Integrity / Ethics



# FERPA, AI, AND HIGHER ED

Based on the text of FERPA and the considerations outlined in the law, using a service like ChatGPT for training an AI chatbot tutor with student work, even if de-identified, may raise concerns regarding data privacy and security. Here are some points to consider:

We already have contracts with third party providers like D2L, Turnitin, Microsoft, etc.

- Third-Party Service Providers:** When using a service like ChatGPT, the college may be sharing student data with a third-party provider. FERPA requires educational institutions to ensure that any third-party service provider complies with FERPA regulations and adequately protects student data. The college would need to enter into a legally binding agreement with the service provider to safeguard student information.
- Data Ownership and Control:** Maintaining control over student data is crucial under FERPA. If the college uses a third-party service, it must ensure that the data remains under its ownership and control, even during the training process. The college should have clear policies on data ownership, permissible uses, and data retention.
- Data Security:** FERPA mandates that student data must be securely stored and transmitted. When using an external service, the college must verify that the service provider has robust data security measures in place to protect student information from unauthorized access, disclosure, or breaches.

- Compliance and Auditing:** Educational institutions are responsible for ensuring...  
...the principle of data minimization...

Should each college (or SCTCS) maintain its own servers or rely on clearly negotiated contracts?

Student ownership of their data (work) may present legal hazards beyond FERPA.

Colleges may choose to maintain their AI model on college-owned servers to have greater control over student data and ensure compliance with FERPA...

34 CFR Part 99 (up to date as of 6/05/2024)  
Family Educational Rights and Privacy

34 CFR Part 99 (June 5, 2024)

This content is from the eCFR and is authoritative but unofficial.

## Title 34 – Education

### Subtitle A – Office of the Secretary, Department of Education

#### Part 99 Family Educational Rights and Privacy

##### Subpart A General

§ 99.1 To which educational agencies or institutions do these regulations apply?

§ 99.2 What is the purpose of these regulations?

§ 99.3 What definitions apply to these regulations?

§ 99.4 What are the rights of parents?

§ 99.5 What are the rights of students?

§ 99.6 [Reserved]

§ 99.7 What must an educational agency or institution include in its annual notification?

§ 99.8 What provisions apply to records of a law enforcement unit?

##### Subpart B What Are the Rights of Inspection and Review of Education Records?

§ 99.10 What rights exist for a parent or eligible student to inspect and review education records?

§ 99.11 May an educational agency or institution charge a fee for copies of education records?

§ 99.12 What limitations exist on the right to inspect and review records?

##### Subpart C What Are the Procedures for Amending Education Records?

§ 99.20 How can a parent or eligible student request amendment of the student's education records?

§ 99.21 Under what conditions does a parent or eligible student have the right to a hearing?

§ 99.22 What minimum requirements exist for the conduct of a hearing?

##### Subpart D May an Educational Agency or Institution Disclose Personally Identifiable Information From Education Records?

§ 99.30 Under what conditions is prior consent required to disclose information?

I'm aware I may need to talk with college counsel to verify, but based on the text of the law, would using a service like ChatGPT be advisable? Or should the college maintain its own model on college-owned servers?

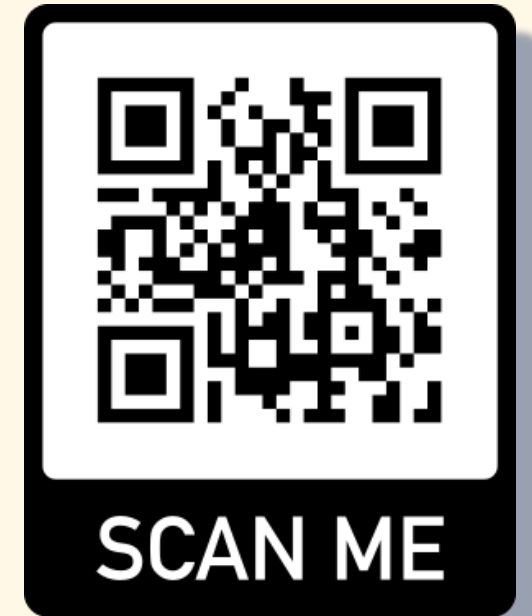
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# INTRODUCING ... CHATPDF!

# ACTIVITY TIME!

- Open ChatPDF on your phone or computer:
  - Scan or use link: <https://www.chatpdf.com/>
  - Sign-up is simple. Use your preferred email.
- Upload the FERPA full-text PDF to ChatPDF.
- Ask any FERPA-related question!
  - Whatever is most relevant to your day-to-day
  - Doesn't have to be AI-related





# TRAINED EYES: OPPORTUNITIES



# IMPORTANT DEFINITIONS

- Cognitive Offloading
- Generative Artificial Intelligence (GenAI)
- Large Language Model (LLMs)
- Digital Writing Assistants (DWAs)



# OPPORTUNITIES

## What *AI* can do (as *surrogate*)

- Generate content, drive cars, diagnose, therapy

## What *we* can do (with "*AI*" *support*)

- Personal assistant (emails, appointments, etc.)
- Teaching assistant (update policies, rubrics, etc.)
- Learning assistant (draft goals, lists, process, etc.)







# SHOW & TELL



# HOW ARE WE USING AI?

- Generating Images
- Support (emails, goals, lists, etc.)
- Community Building (values, policies, etc.)
- Interactive Documents
- Syllabot fun



# PICK AN AI... ANY AI

1. Open the PDF.
2. Pick an AI Tool.
3. Test Drive.

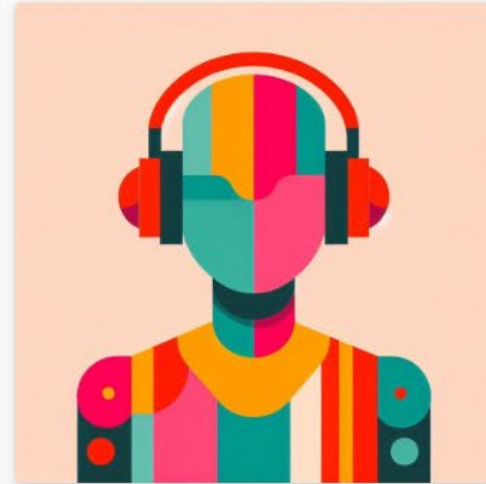
SCAN ME



CENTRAL  
CAROLINA  
TECHNICAL COLLEGE

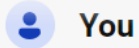
A flat, graphic color block illustration of a female droid in bright pink, teal, orange and yellow

Generate




← Back to prompt examples

# AI PD IMAGE GENERATED BY DESIGNER

**You**

I'm an COL 105 student, and I need to write a SMART goal. I've made mine related to an assignment: my goal is to write an email to my advisor by the deadline. Do you have any advice for improving my goal?

**Copilot**

 Your personal and company data are protected in this chat

Certainly! Writing a **SMART goal** is a great approach to ensure your objectives are well-defined and achievable. Let's break down your goal of writing an email to your advisor by the deadline and make it even smarter:

1. **Specific (S):** Be more precise about what you want to achieve. Instead of just saying "write an email," specify the purpose of the email. For example, "Write a concise email to my advisor requesting an extension for the assignment."

# COL 105 COPILOT SMART GOAL REVISION

# Magic ToDo

Breaking things down so you don't

Help ?

Add new item...



I am a first year student in COL 105 and I need to email my advisor for an assignment.



Open your email account



Compose a new email



Enter your advisor's email address in the "To" field



Write a clear subject line for the email



Write a concise and polite message explaining your purpose



Begin the message with a polite greeting



Clearly state your purpose in a concise manner



Use polite language throughout the message



Provide any necessary details or information related to your purpose



Thank your advisor for their time and assistance in advance



# COL 105 GOBLIN.TOOLS LIST

### Our Can-Do Approach

Based on our integrity-focused class discussions this semester, here is how we agree to use AI openly and ethically:

- As your instructor, I promise to help each of you learn to use these tools properly and transparently in your work.
- Feel free to use Creative AI tools openly to assist with reading, research, analysis, writing etc., unless I specify exceptions **in class or through assignment guidelines**.
- Use them as a tutor or assistant with academic integrity top of mind, not as a substitute to do the actual work for you. The goal is supporting you to create original material.

### Ways We Can Use AI

Based on our class discussion, you can use AI in the following ways:

- Brainstorming initial research topic options when you feel stuck
- Exploring your ideas and topics
- Finding key terms and definitions
- Simplifying complex assigned readings and research content for you
- Understanding the purpose and audience of what you read
- Summarizing texts assigned to you and those you find
- Outlining and planning your writing
- Crafting your thesis statements
- Writing your introductions and conclusions
- Getting feedback to improve your work
- Revising your writing for clarity and grammar
- Checking your work matches the rubric

# ENG 102 AI POLICY EDITED WITH CLAUDE



AlforTrainedEye

Poe

Hello! Syllabot here, ready to help you engage with the "AI for the Trained Eye" curriculum and materials. How can I help you today?

Is the textbook required?



AlforTrainedEye

Poe

Yes, the textbook "The Ethical Algorithm: The Science of Socially Aware Algorithm Design" (ISBN 9780190948207) is required for this "AI for the Trained Eye" professional development program. According to the syllabus, this textbook is a required material for the course. [1]

[View sources >](#)

How important is the textbook for the course content and assessments?

# SYLLABOT WITH POE





# LET'S TALK ABOUT IT



# TO THE CHAT:

- What are some possible solutions to the AI problems we're currently facing?
- Share ideas, tips, & advice in chat!



# SELECT BIBLIOGRAPHY

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**NOTE: All section title slide images generated with either Adobe Firefly or Canva.**



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# 2024 TLT FALL SESSIONS

<b>August 20</b>	<b>Microlearning for the Modern Workplace</b> Cris Felty (TTC), Leah Andrews (SCTCS), Kim Burkett (SCTCS)
<b>September 17</b>	<b>De-Escalating Critical Situations</b> Mark Dougherty (TCTC)
<b>October 15</b>	<b>TBD</b>
<b>November 19</b>	<b>TBD</b>



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# GIVE US YOUR FEEDBACK

<https://www.surveymonkey.com/r/June2024TLT>

