**Experiment PowerPoint Transcript**

# Slide One

Student Use and Perceptions of Closed Captions in the Fully Online Classroom

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Oregon State University

Partner of the National Research Center for Distance Education and Technological Advancement

Logos are displayed on the bottom right corner of slide:

1. National Research Center for Distance Education and Technological Advancements (DETA), University of Wisconsin-Milwaukee
2. Fund for the Improvement of Postsecondary Education (FIPSE), U.S. Department of Education

Contact and social media information for DETA:

Website: uwm.edu/DETA

Email: DETA-staff@uwm.edu

Twitter: Twitter.com/UWMDETA

Facebook: Facebook.com/UWMDETA

Twitter tag: #DETAResearch

# Slide Two

Background – DETA Research Center efforts

An image of the DETA logo is located at the top right corner of slide

# Slide Three

Conduct rigorous, interdisciplinary, and standardized research across institutions

An image of the DETA logo is located at the top right corner of slide

An image of a chalkboard, with a quote from Albert Einstein, reads: “If we knew what we were doing, it wouldn’t be called Research.”

# Slide Four

Identify practices (instructional and institutional) that impact desired outcomes

An image of the DETA logo is located at the top right corner of slide

There is a collage of images representing different ways information may be delivered online

# Slide Five

Institutional partners

An image of the DETA logo is located at the top right corner of slide

There is a collage of logos, representing each of the nine institutional partners.

The nine institutions are:

1. California State University, Fullerton – Mihaylo College of Business and Economics
2. Florida Southwestern State College
3. University of Central Florida
4. Milwaukee Area Technical College
5. University of Wisconsin-Milwaukee
6. Oregon State University
7. University of Wisconsin System
8. San Diego Community College District
9. Western Interstate Commission for Higher Education

# Slide Six

Our institutional profile - who we are as an institution

An image of the DETA logo is located at the top right corner of slide.

There is an image of the Oregon State University Ecampus logo

# Slide Seven

DE Enrollments for OSU Ecampus

An image of the DETA logo is located at the top right corner of slide.

There is an image of an OSU student.

# Slide Eight

DE Student Demographics for OSU Ecampus

An image of the DETA logo is located at the top right corner of slide

Six large-scale numbers, reflecting demographic enrollments percentages, are displayed and read:

* 40% distance students
* 52% women
* 25% Oregon residents
* 4% veterans
* 21% racial minorities
* 42% 25 years or older

# Slide Nine

DE Courses

An image of the DETA logo is located at the top right corner of slide.

There is an image of an OSU student with a laptop.

# Slide Ten

DE course development process

An image of the DETA logo is located at the top right corner of slide.

There is an image of an Ecampus staff member instructing a faculty member on the use of virtual reality technology.

# Slide Eleven

DE course development training

An image of the DETA logo is located at the top right corner of slide.

There is an image of OSU faculty members sitting around a laptop while an Ecampus staff member provides information related to online course development.

# Slide Twelve

DE course structures

An image of the DETA logo is located at the top right corner of slide.

# Slide Thirteen

DE course pedagogies

An image of the DETA logo is located at the top right corner of slide.

There is an image of an OSU student.

# Slide Fourteen

DE course quality assurance

An image of the DETA logo is located at the top right corner of slide.

There is an image of a faculty member receiving a Quality Matters award from the OSU Ecampus executive director.

# Slide Fifteen

DE course quality standards

An image of the DETA logo is located at the top right corner of slide.

There is an image of an OSU student.

# Slide Sixteen

Closed Captions at OSU Ecampus

An image of the DETA logo is located at the top right corner of slide.

Four large-scaled numbers are displayed and reflect the current use of captions in OSU Ecampus. The numbers read:

* 9,227 known media items
* 2,757 captioned
* 928 in process
* 5,541 older media

# Slide Seventeen

Our study – Research questions and methods

An image of the DETA logo is located at the top right corner of slide.

# Slide Eighteen

A large-font question reads: “What are the different design components that impact student learning?”

An image of the DETA logo is located at the top right corner of slide.

# Slide Nineteen

Hypotheses tested

An image of the DETA logo is located at the top right corner of slide.

To what extent do video closed captions help students learn in fully online environments?

* H1: Students in fully online environments who use video closed captions will demonstrate greater learning than students working in fully online environments who use video that does not incorporate closed captions.

# Slide Twenty

Hypotheses tested

An image of the DETA logo is located at the top right corner of slide.

To what extent are student sub-groups differentially impacted by video closed caption use?

* H2: ESL learners who use video and multimedia captions in fully online environments will demonstrate greater learning than ESL learners who do not use video or multimedia captions in fully online environments.
* H3: Students with disabilities (SWD) who use video and multimedia captions in fully online environments will demonstrate greater learning than SWD who do not use video or multimedia captions in fully online environments.

# Slide Twenty-One

Hypotheses tested

An image of the DETA logo is located at the top right corner of slide.

To what extent are student sub-groups differentially impacted by video closed caption use?

* H4: Adult learners who use video and multimedia captions in fully online environments will demonstrate greater learning than adult learners who do not use video or multimedia captions in fully online environments.

A final hypothesis for this research question is:

* + Adult learners who use video and closed captions in fully online environments will demonstrate greater learning than adult learners who do not use video closed captions in fully online environments.

# Slide Twenty-Two

Methods – Research methods to collect and analyze data

An image of the DETA logo is located at the top right corner of slide.

# Slide Twenty-Three

Study participants

An image of the DETA logo is located at the top right corner of slide.

Four large-scale numbers are displayed and reflect the results of student participation in the experimental study. The numbers read:

* 60 enrolled
* 26 consented
* 3 left the course
* 23 total participants

# Slide Twenty-Four

Variables measured

An image of the DETA logo is located at the top right corner of slide.

Learner characteristics are listed and read:

1. GPA
2. Under 25/over 25
3. Gender
4. Income status
5. ESL status
6. First generation status
7. Disability/impairment status
8. Racial/ethnic minority status
9. Year in school

# Slide Twenty-Five

Collection and analysis

An image of the DETA logo is located at the top right corner of slide.

There is an image of the closed captioning symbol.

# Slide Twenty- Six

Results – Findings of the data analysis

An image of the DETA logo is located at the top right corner of slide.

# Slide Twenty-Seven

Baseline Characteristics

An image of the DETA logo is located at the top right corner of slide.

There is an image of an OSU student.

# Slide Twenty-Eight

Learning Outcomes

An image of the DETA logo is located at the top right corner of slide.

There is an image of an OSU student.

# Slide Twenty-Nine

Recommendations – Evidence-based decisions

An image of the DETA logo is located at the top right corner of slide.

# Slide Thirty

Additional Research

An image of the DETA logo is located at the top right corner of slide.

* Additional research is needed for different forms of closed captioning including interactive transcripts
* Additional sub-group analyses are needed
* Additional research is needed across disciplines and course types

# Slide Thirty-One

National Research Center for Distance Education and Technological Advancements, University of Wisconsin- Milwaukee

There is an image of the DETA logo.

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