Accessibility Education:
A New Certificate and Undergraduate Minor in Accessibility Studies

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Accessibility Education
Today's Workshop

- Why?
  1. Marketable skills.
- What is it?
  Online courses.
- How do you make it happen?

Educational Assessment Course

- Performance Assessment Design
- Planning / Teaching / Assessment Cycle
- Integrated Instructional Decisions

The instructional challenge in an education course... ...walk the talk!

A disaster waiting to happen....
A tried and true lesson (that had not been tried on a truly representative group).

Conceptual Engagement
- Graphic Organizer
- Metaphor
- Personal Participation
- Manipulating (five card “foldable”)
- Reading
- Writing

Reality check!

An inspiration
Multimodal Education Center
- Conveniently Located
- Demonstrating Cool Stuff
- Lots of Helpful Folks
Collaboration

• Disability Services
  Wendy Holden, Director
• Professional Education Program
  Naomi Jeffery Petersen, Faculty Coordinator

Our prototype!

• Dozens of design hours
• Several printing failures
• LOTS of learning about the logic of Braille
• And the logic of 3-D


But a new inspiration trajectory...

Classroom Teachers could use this knowledge....

Phase I: Discussion of core concepts
Phase II: Collaboration
Phase III: Prototyping and feedback
Phase IV: Design Process
Phase V: Final Product

...so let's keep track and write a manual for others to use

There’s a crying need for people with these skills!
Let's offer classes!

We need an academic voice for people with disabilities... which is everyone!

Online Certificate or Minor
Developing competence in recognizing where, when, and how to include people with varying degrees of ability.

www.cwu.edu/Accessibility-Studies

ASP 305 Accessibility & User Experience.
Quality of life issues of accessibility in everyday experiences and environments. Changes in laws and attitudes about the need for proactive accessible design. Current careers requiring competence in troubleshooting accessibility.

4 credits. Fall, Winter, Spring, Summer.

ASP 325 Universal Design
Proactive accessibility design for high incidence problems in commercial, leisure, occupational, and personal living spaces. Assistive technology, adapted architecture, differentiated activity. Standards for safety and equity.

4 credits. Online. Winter, Summer.
ASP 435 Accessible Information Design

Standards for public communication, such as advertising and agency information. Effective Job coaching. Issues of disclosure and advocacy. Laws and civil rights legislation and court decisions. Social justice and social psychology.

5 credits. Online. Spring, Summer.

ASP 187 Special Topics in Accessibility

Freaks, Geeks & Heroes: How Disabilities are Depicted in Popular Media & Games

5 credit. Online. Fall 2019

Not required for the ASP Certificate.

Part of the new General Education Program.

ASP 490 Accessibility Internship

Field experience in a real-world context for observing, analyzing and investigating principles and issues crucial to developing competence in understanding efforts to minimize barriers for all people, especially those with specific limitations in their perception or mobility.

1-12 credit. Arranged individually.

ASP 492 Accessibility Practicum

But how did the program happen?

Phase I: Curriculum Development Procedures
Phase II: Collaboration, Communication
Phase III: Feedback Feedback Feedback
Phase IV: Curriculum Approval
Phase V: Recruiting

What are the hurdles?

Two groups serving the same population

Faculty

Disability Services
SWOT

Universal Design for Learning = Better Focus & Format
Accessiblity Studies Program = Better Visibility and Voice
Not enough resources and expertise.

Program Landmarks
- June 2016 Curriculum developed.
- Feb 2017 Degrees approved.
- Mar 2017 First course offered.
- May 2017 Diversability Day launch.
- June 2017 First integrated summer session.
- Sep 2017 First program completers.

How is the program going?
Courses are offered regularly.

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Courses are revised in response to assessments.
Qualified faculty are cohesive and dynamic.
Online application system is working well.

The program continues to develop.
- Students are requesting optional internships.
- A graduate specialization is in progress.
- An interdisciplinary major is in progress.
- The new general education program includes ASP courses.

ASP courses are now electives in other programs
- Museum Studies
- Sports Management
- Family and Child Life
- Social Services
- Interdisciplinary Social Science

Advising materials are now available for many undergraduate programs and careers
- Teachers
- HR Professionals
- Computer Science

Accessibility issues are a component of anthropological study.

Social Model of Disability
- Unlike the medical model.
- Environment is the disabling factor.
- Stigma is a significant cultural barrier.

Anthropology
- Being human is an integration of biological, cultural, material and linguistic capacities.
- Focus on culture and cultural diversity.
A few ASP Capstone projects

ASP 305 Accessibility & User Experience
4 credits. Fall, Winter, Spring, Summer.

LEARNER OUTCOMES:
1. Identify assumptions of mobility, perception, cognition, and engagement regarding common life activities (i.e. ableism).
2. Define disability etiquette.
3. Distinguish between theoretical models of disability, e.g. medical, social, economic, functional, identity, moral, charity, and destiny, and examine the implications of beliefs and attitudes about disability on public and personal perceptions of disability.
4. Differentiate categories and levels of disability and common barriers associated with them (i.e., eligibility and entitlement).
5. Define assistive technologies and their uses.
7. Survey current careers requiring competence in troubleshooting accessibility.

ASP 325 Universal Design
4 credits. Online. Fall, Summer.

LEARNER OUTCOMES:
1. Analyze scenarios of interaction for effective inclusion of people with disabilities and limitations.
2. Define principles of universal design.
3. Identify technological applications useful for designing individual accommodation and universal access.
4. Explain compliance with statutory and case law related to disability and human rights, e.g. ADA, in terms of safety, liability.
5. Outline risk management strategies in the context of cost-benefit analyses of implementing accommodations.

ASP 435 Accessible Information Design
5 credits. Online. Winter, Summer.

LEARNER OUTCOMES:
1. Identify common barriers to inclusive information in terms of content and medium.
2. Analyze rhetorical implications of accessible information design.
3. Define and illustrate guidelines.
4. Identify and assess technological applications useful for making information accessible.
5. Interpret policy and law as applied to making advertising and other public communication accessible.
6. Outline stakeholder responsibilities and interactions.
7. Explain the importance of communication in emergency circumstances.

ASP 485 Accessibility Capstones

ASP 485 Accessibility Capstone
2-3 credit. Online. Arranged individually.

LEARNER OUTCOMES:
1. Identify common barriers to inclusive information in terms of content and medium.
2. Analyze rhetorical implications of accessible information design.
3. Define and illustrate guidelines.
4. Identify and assess technological applications useful for making information accessible.
5. Interpret policy and law as applied to making advertising and other public communication accessible.
6. Outline stakeholder responsibilities and interactions.

NOTE: Requires comprehensive program exam and colloquium presentation.
Improving Tsunami Hazard Inundation and Evacuation Maps for Port Angeles in the Puget Sound of Washington

By Hannah Spero
• Geology Major
• Accessibility Studies Minor

Project Goals
• Future tsunami hazard map revisions
• Emergency management planning
• Re-evaluation of infrastructure
• Saving lives

How Accessible is the CWU Mobile App?

By Humberto Avila
• Special Education Major
• Accessibility Studies Minor

Points of Pride
• Featured on package of Lammily wheelchair doll accessory.

An online student's view of the Accessibility Studies Program Director
Dr. Naomi Jeffery Petersen
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Not accessible? Not acceptable!

The Accessibility Studies Certificate adds value to every career path.
• Know your rights!
• Become an advocate!
• Learn how to spot barriers and solve problems!

Go to www.cwu.edu/accessibility-studies
Or contact Dr. Petersen at NJP@cwu.edu