

FLIPPED CLASSROOM LESSON PLAN

LESSON PLAN Ref:

COURSE Ref:

Course: **Digital Accessibility Manager/ Digital Accessibility Tester/
Web developer with expertise in Digital Accessibility/
Web designer with expertise in Digital Accessibility**

Unit / Module: **Introduction to Digital Accessibility**

Lesson Title: **Diversity of disabilities and related needs (assistive technologies)**

Level:

Lesson Duration

Pre-Class Activities: 60 minutes

In-Class Activities: 30 minutes

Post-Class Activities: 30 minutes

Total: 2,0 hours (120 minutes)

Lesson Objectives

To familiarize the learners with different types of disabilities, the needs of people with disabilities and older people, the assistive technologies and the ways of its use.

Outline:

1. Disability definitions.
2. The types of disabilities.
3. 'Invisible disabilities'.
4. Age-related impairments.
5. The special needs of elderly and PWDs.
6. Assistive technology definition.
7. The examples of assistive technology.

Pre-Class Activities

Student Learning Resources at Home:

- [Disability](#)
- [What is Disability?](#)
- [Digital Accessibility as a Business Practice by Digital Education Strategies, The Chang School](#)
- [The Dos and Don'ts of Disability](#)
- [Meeting the Needs of Ageing Web Users](#)
- [Types of Assistive Technology](#)

Student Learning Activities at Home

Students have to study the resources mentioned above and try to answer the following questions:

1. What is disability.
2. What are selected types of disabilities and related to them needs.
3. What are the digital barriers for people with various disabilities and older people.
4. What kind of assistive technologies are related to different types of disabilities.

In-Class Activities

0-15 minutes: Students, in small groups draw topics and each group works to identify needs in relation to a specific disability that affect access to the Web.

- Option1: two groups of learners and topics:
 - Group 1: auditory, cognitive, neurological,
 - Group 2: physical, speech, visual.
- Option 2: three groups of learners and topics:
 - Group 1: auditory, cognitive,
 - Group 2: speech, visual
 - Group 3: neurological, physical.

15-30 minutes: Groups present the results of their work.

Post-class Activities

Students should watch video on, for example, How sign language innovators are bringing music to the deaf, available at: https://www.youtube.com/watch?v=EuD2iNVMS_4

Students take the online test about selected types of disabilities and related to them needs (assistive technologies).

Assessment

Final test. In order to successfully pass the unit, the student has to pass the online quiz.

Materials / Equipment

Flipchart/whiteboard and markers

Projector and screen

Laptop

PowerPoint slides

References

1. [Disabilities: Definition, Types and Models of Disability](#)
2. [5-2 Type of Disability and Age of Onset](#)
3. [J. Lazar, D.F. Goldstein, A. Taylor, Ensuring Digital Accessibility through Process and Policy](#)
4. [Making the Web Accessible, Strategies, standards, and supporting resources to help you make the Web more accessible to people with disabilities.W3C](#)