

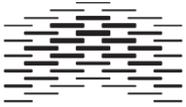
OSLO AND AKERSHUS
UNIVERSITY COLLEGE
OF APPLIED SCIENCES

11 FEBRUARY, 2016

Education in Universal Design of ICT

International Master's Program and Summer School

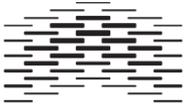
Weiqin Chen and G. Anthony Giannoumis



Background

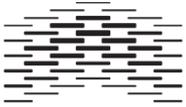
- Digital divide
- ICT barriers
- Education
 - Increase awareness
 - Provide knowledge and competence to current and future ICT professionals
- Teaching Accessibility Initiative (<http://teachingaccessibility.com/>)





Research Group in Universal Design of ICT

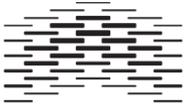
- Weiqin Chen, *professor*
- Evelyn Eika, *assoc. prof.*
- Pietro Murano, *assoc. prof.*
- Tulpesh Patel, *assoc. prof.*
- Kirsten Ribu, *assoc. prof.*
- Norun C. Sanderson, *assoc. prof.*
- Raju Shrestha, *assoc. prof.*
- Siri Kessel, *assist. prof.*
- Anthony Giannoumis, *assist. prof.*
- Mexhid Ferati, *post doc*
- Naoe Tatara, *post doc*
- Wondwossen Beyene, *PhD cand.*
- Gerd Berget, *PhD cand.*
- Frode E. Sandnes, *professor*
- Anis Yazidi, *assoc. prof.*
- Aleksandra Krolak, *assoc. prof.* (TUL, Poland)
- Tor Morten Grønli, *assoc. prof.* (Westerdals Oslo ACT)
- Anders-Petter Andersson, *assoc. prof.* (Department of Art, Design and Drama)
- Siri Fagernes, *assist. prof.*



Master's program in Universal Design of ICT

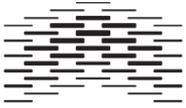
- 3 Types of courses (60 ECTS)
 - *General courses* providing a general foundation for conducting a Master's project.
 - *Specific mandatory courses* providing a thorough knowledge of essential topics within universal design of ICT.
 - *Elective courses* providing in-depth knowledge within selected topics.
- Master's thesis (60 ECTS)





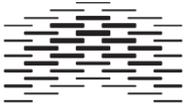
Distribution of Students (2013-2015)

	2013	2014	2015
Norway and EU	3	7	12
International	10	13	8
Total	13	20	20



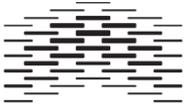
Summer school

- Mainstreams Universal Design in all technology courses
 - Health and medical technology
 - Action research
 - Universal design of ICT
 - Information security
- Provides individual grants for students with disabilities to ensure equal access to summer school courses.
- Promotes entrepreneurship through “Innovation Day” intensive workshop held in conjunction with private sector organizations such as Microsoft and Youth Entrepreneurship Norway.
- Focuses on student-driven project-based research, development and learning
 - Universally designed hospital operating room project
 - Accessible electronic payment systems
 - Universal design in gaming



Challenges and Lessons Learned

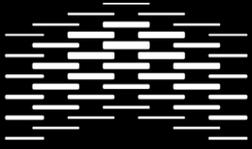
- Recruitment
 - Planning (division of responsibility, annual activity cycle)
 - Social media, brochures
 - Master's students themselves
- Program structure
 - Taking care of language challenges



Challenges and Lessons Learned (Cont.)

- Pedagogical methods
 - Student-centered, peer-learning
 - Independent and critical thinking
- Collaboration
 - Public and private institutions and non-governmental organisations
 - Excursions, Master's projects
 - Study abroad





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Thank you for your attention!