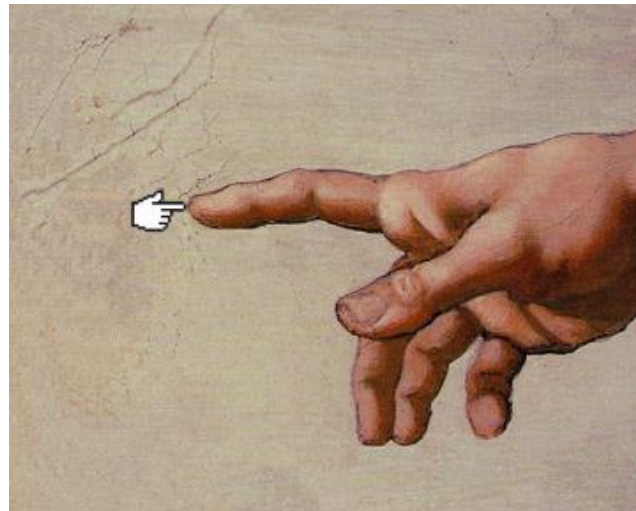


Technological Approaches in Gerontological Nursing



Mälardalen University
Västerås, Sweden
May 2016

Nordman network

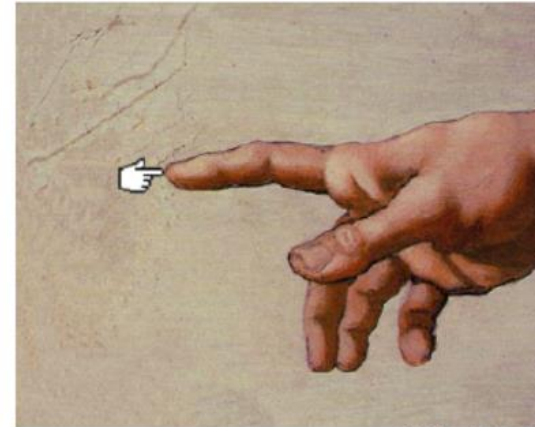
- Partners: JAMK University of Applied Sciences (FIN), Lithuanian University of Health Science (LTU), Mälardalen University (SWE), Riga Stradins University (LAT), Tartu Health Care College (EST), Åland University of Applied Sciences, VIA University College (DEN) – not represented in the course
- <http://nordmannetwork.net/>



Study guide

- Learning outcomes
- Course assignments
 - Pre-course
 - On-course
 - Post-course
- Pre-lecture assignments and reading
- Blended learning didactics

Technological Approaches in Gerontological Nursing[©]



Sofia Boer Mariasole

Intensive Course 2015, Nordman network[©]

Åland University of Applied Sciences, Mariehamn, Åland, Finland

Students responsibilities

Active learning

- You are expected to acquire the necessary knowledge on your own or together with your peers in group work.
- The course includes compulsory assignments and workshops where all participants are expected to exchange knowledge and experiences with each other.
- You are expected to prepare yourself in studying the parts of the literature concerning the theme in question.
- You are expected to be active in lectures and in the reflective discussions at the workshops.

Grade & certificate

- To fulfil the grad *Pass* you, as a student,
 - Have to actively take part in the course
 - Fulfil the pre-, on-, and post-course assignment
- In case of absences, extra assignments will have to be completed upon agreement with the course coordinator
- After completed course you will be sent a course certificate from the hosting university

Schedule INTENSIVE COURSE TECHNOLOGICAL APPROACHES TO GERONTOLOGICAL NURSING

Monday May 23 - Friday May 27 2016: **Mälardalen University**

Västerås

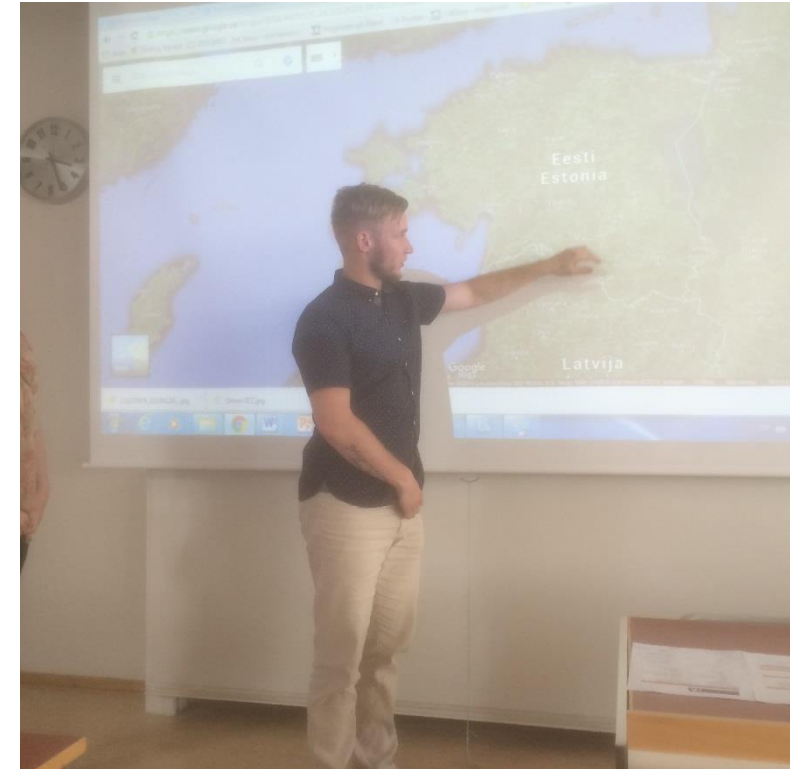
Date	Monday 23.5	Tuesday 24.5	Wednesday 25.5	Thursday 26.5	Friday 27.5
9.15-10.15	Course introduction Åke Lennander, course coordinator (MDH) Welcome greeting Maria Müllersdorf, Dean of School of Health, care and Social Welfare	Theme 2a:1 Introduction in the field of gerotechnology Christine Gustafsson (MDH)	Theme 2a:3 e-Homecare, ICT in home care, Charlotta Åkerlind (MDH) Development and implementation of welfare technology in dementia care (Christine Gustafsson)	Theme 3:1 Ethical considerations in the field of gerotechnology Introduction William Garbrah (JAMK)	Theme 2 Presentation on-course work and information of post-course assignment administration All teachers
10.30-12.00	Theme 1 Scandinavian-Baltic Cultural Cocktail Erik Hemming (ÅUAS)	Theme 2b:1 Presentation pre-course assignments and workshop Ilona Zarina (RSU) Janika Pael (ETIS)	Theme 2b:3 Lecture/Group discussions Orientation of needs of gerotechnology development and innovations Katarina Thörne, Lina Spirgiene and Christine Gustafsson 10.30-11.20	Theme 3:2 Reflective work shop/Panel discussion 11.00 – 12.00 Ethical considerations William Garbrah	11.30-12.00 Course evaluation Åke Lennander
	LUNCH	LUNCH	LUNCH	LUNCH	Closing LUNCH
13.15–14.30	Scandinavian-Baltic Cultural Cocktail (continuing) Erik Hemming	Theme 2b:2 13.15 – 14.45 The needs of future gerotechnology users Interviews with retired citizens. Katarina Thörne (MDH) and Lina Spirgiene (LUHS) <i>Group rooms 13.15-15: R1-013, R1-014, R1-017, R1-028</i>	Theme 2 12.20 Bus departure Field visit at Hälleborg Geriatric Care Åke Lennander and Marie Gruffman Pellfolk (MDH)	Theme 2a:4 13.15 – 13.45 Issues on implementing new technology Marcus Persson, (MDH) Theme 2a:5 14.00 – 15.30 Technology and older people Adam Hagman Engineer, Robotdalen (MDH)	
14.30 – 16	Scandinavian-Baltic Cultural Cocktail (continuing) Erik Hemming	15 - 16 Theme 2b:3 Reflective work shop Related to previous lecture and pre-course assignment Lina Spirgiene (LUHS)	Theme 2 14.45 Bus departure Field visit at HMC Västmanland - Assistive Technology Centre Åke Lennander and Marie Grufman Pellfolk	Group work on-course & post-course assignment	
	18.30 Taco Buffet Bellevue Stadion, Vasagat. 60	Supper at 17.30 (Glada gåsen, Kåren)	19.00 Course Dinner (Glada gåsen, Kåren)	17.30 – 21 Guided tour by bus Niklas Ulfvebrandt (3 hours) “SWEDEN THE MIDDLE WAY”	

Scandinavian-Baltic Cultural cocktail

- to get to know the cultural diversity of the participating students



The workshop session was held by Erik Hemming and students were using their own language



Introduction to the field of gerotechnology; Who are the users of gerotechnology today – and in the future

Aim:

- to gain and deepen knowledge and understanding in the field of Gerotechnology, today's' and future users of gerotechnology



Students interviewed the upcoming users of gerotechnology

(Picture from the IP in Mariehamn 2015)

Ethical considerations in the field of Gerotechnology



A panel debate focusing ethical dimensions was conducted by William Garbrah

Aim:

- discussing ethical and legal issues concerning gerotechnology from users and manufactures perspective. And to take an active part in ethical discussions in a panel debate about technological approaches in gerontological nursing.

Orientation of current technological developments

Aim:

- Orientation of current technological developments and needed future innovations



Field visit to Assistive technologies center



“As on-course assignment you will work in smaller groups reflecting on one of the areas of interest when it comes to use of gerotechnology in this specific island society. The different areas (the needs of the older persons living at home; the needs of the older persons living at the nursing home; the needs of relatives; the needs of nurses; the needs of/use for NGO’s) will be assigned to you. Reflect on what/why/how gerotechnology should/could be in use.”



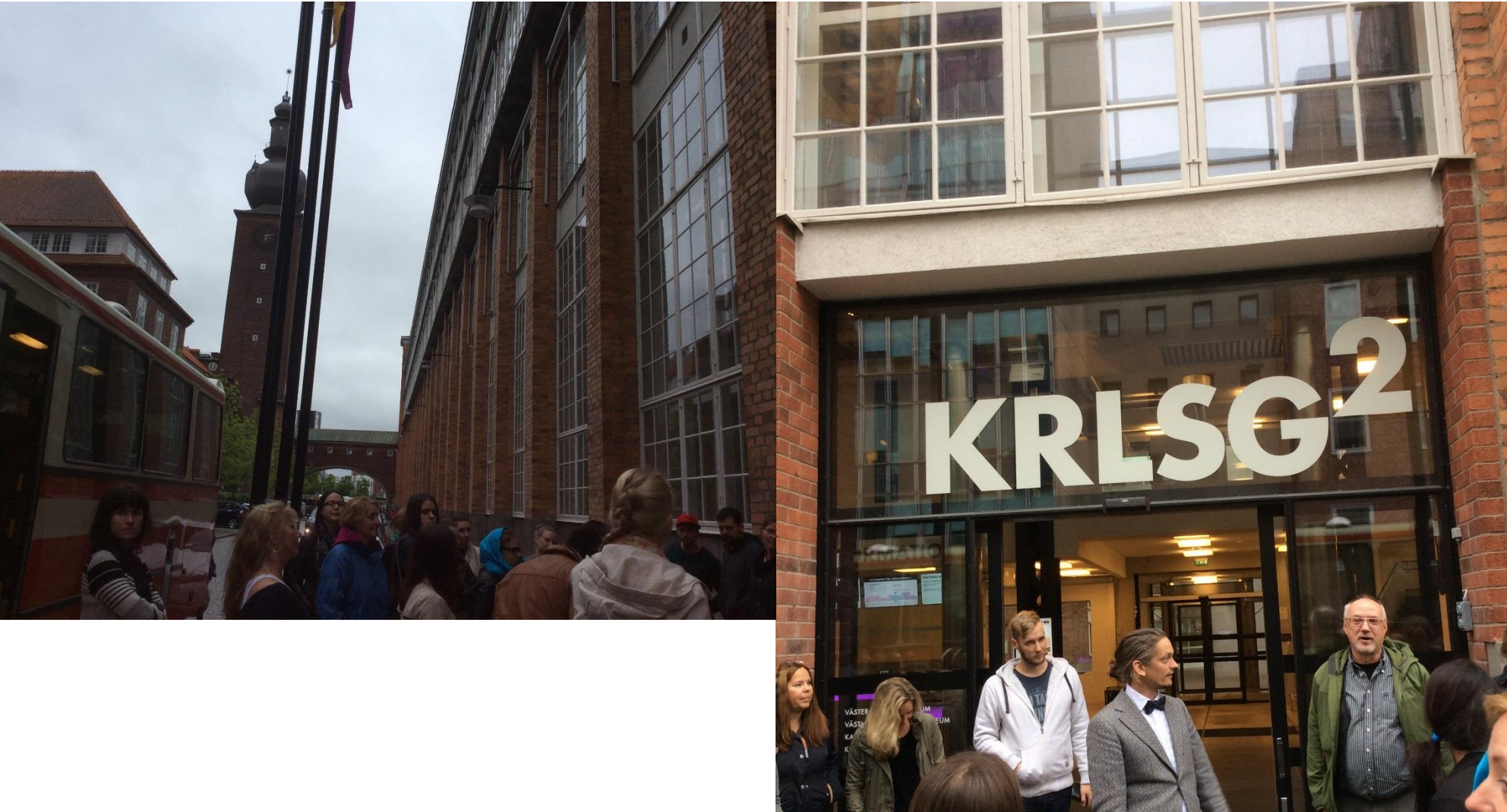
Student presentations

On Course assignment

- Safety jacket
- Protect falls among elderly by use of sensors
- Smart geriatric bed
- Dogo - a multifunctional robot dog



Cultural visit - a historical tour in Västerås –
Sweden the middle way



Course evaluation inspired by SWOT-model

Strengths - summary

- Multicultural Mixed Nationality groups
- Good organized Programs, not only lectures
- Assignments were good (not stressful), interesting presentations and good ethical discussions
- Tasty food and well-chosen nearby hotel
- Introduction games (Bowling on Monday Evening)
- Highly motivated students
- The process -> a clear thread
- Shared responsibilities

Course evaluation

Weakness - summary

- Too less time for students on the on-course-assignments
- Shared web platform published too late with introduction
- No Field visit to Caring home – Plan B always needed
- Hotel too far away and no sauna in hotel
- More focus on recruiting students is necessary. 8 less students attended ($n = 27$) then we planned for (36) and received economical support for. One partner also declined participation in implementing the course

Course evaluation

Opportunities and Suggestions - summary

- Earlier and better pre-course information wanted
- Always have a Plan B! (Historical tour in Västerås was very cold and a Field visit was declined)
- Field visit to a elderly nursing home wanted
- How to Implement devices to our country
- More involvement of incoming teachers for example by **Round table conference** for teachers when students are working in groups
- In addition **web seminars** (Adobe or Skype) could be useful pre-course or post-course

