A Multidisciplinary Approach in Sustainability Projects

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• 12,000 students (bachelor education)
• 4 Institutes:
  – Healthcare and Welfare,
  – Technology,
  – Education and Communication
  – Business and Management Studies

Together the institutes offer about 70 Bachelor’s degree programs.
Honors Education at NHL

Students develop their competences to a higher level through teamwork in Projects

Characteristics of assignments:
- Innovative
- Entrepreneurial
- Talent based
- Multi-disciplinair
- Value-driven
Minor Programs at NHL

All Minors:

- 30 ECTS
- 2 and 3 year of the bachelor program
- Non-mandatory program
- Domain specific
GoldRimmed ‘Honors’ Minor Programs

• Cross-domains/ cross-sectorial
• ‘Real’ clients
• Real life tasks
• Multi-disciplinary teams
• Sustainability issues
Minor Marketing 3.0

- Problem: Decreasing shop variety in the City Centre
- Stakeholders: Shopkeepers, Municipality, Library, Students
- City Lab: Office in a village; work cross-sectorial

Marketing, Communication, CMD students
Solar Challenge

• Participate in Bi-annual Solar Challenge: an international competition for solar energy driven vessels

• Assignment: build a vessel, train a team, find sponsors

http://www.dongenergysolarchallenge.com/media/videos-2014

Engineering, ICT, Marketing students
Minor Atelier Artwork
Art-based research: Finding the relationship between the farmers hand and his farm
Minor E-Learning

http://www.myschoolsnetwork.com/

- Make e-learning facilities available for pupils all over the world
- Teacher Training Students are tutoring primary school pupils in this virtual community

Teacher Training, Communication & Multimedia Design, Informatica Students
Minor I-human

Project Mattie (= Buddy)
Develop a Buddy App to help adolescents with less intellectual abilities in social situations


CMD, Social Work, Healthcare, Informatica students
Minor HaSeGa
Healthy Aging through serious gaming

http://www.youtube.com/watch?v=DF4VSmp8Ejw&feature=youtu.be

International Project in building games to help elderly people training their muscles

CMD, Social Work, Healthcare, Informatica Students
Benefits of these cross sectorial minors

- Real Tasks: very motivating
- Real Problems: all of them valuable
- Real Clients: exciting for students to perform well
- Real World: not a one-disciplinary thing
Pitt falls

• Difficult to understand other disciplines in the student team: how to speak each others (professional) language
• Can the learning goals of each different bachelor be reached and assessed?
• The ‘rythm’ of the real world, vs the ‘rythm’ of school
Conclusion

• More than multi-disciplinary: work cross-sectorial!
• Invite society inside the school: business, government, NGO’s
• Get your students/ pupils outside the building
• ESD is everywhere