Experts in Teamwork

Experience based master course in interdisciplinary collaboration

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Interdisciplinary teamwork skills



Help the students to see how their teamwork is influenced

by their own behaviour



Implement changes to make the teamwork more

efficient

3

Reflection on specific situations in the teamwork



Facilitation

Make it allowed and secure to talk about the relationsships



Project work
Real life challenges
Interdisciplinary student teams

Learning through practice

21st century skills

- Oral and written communication
- Critical thinking and problem solving
- Professionalism and work ethic
- Teamwork and collaboration
- Working in diverse teams
- Applying technology
- Leadership and project management



«Experts in Teamwork» at NTNU, Trondheim

Initiated in 2001 on demand from business and industry

2020: 2800 participating students 100 villages, 3 campus cities Teaching staff ~ 325 people in total

Obligatory part of all Master's Degrees; students from all 8 faculties - interdisciplinary

Villages ≈ classes ≈ (20-30 students) divided into smaller interdisciplinary teams of 5-6 students



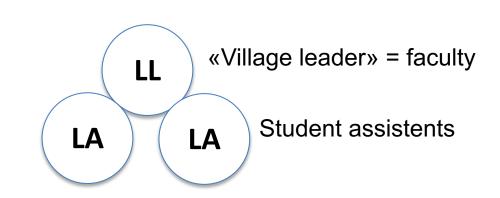


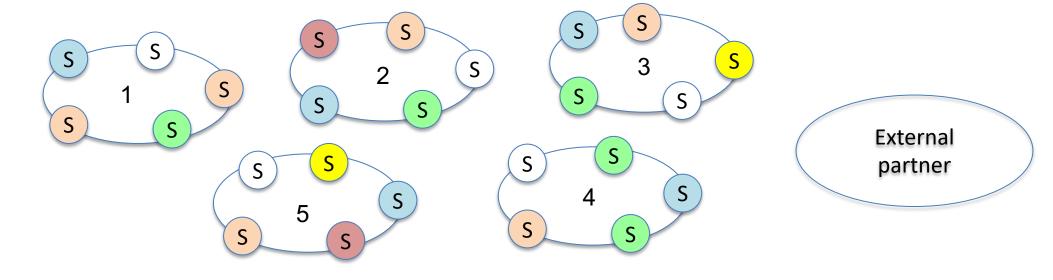
EiT village = master course

Village theme:

Innovation in health care

Energy Transition - Thinking Green





25 – 30 students from different programs

AIM: Improved teamwork skills

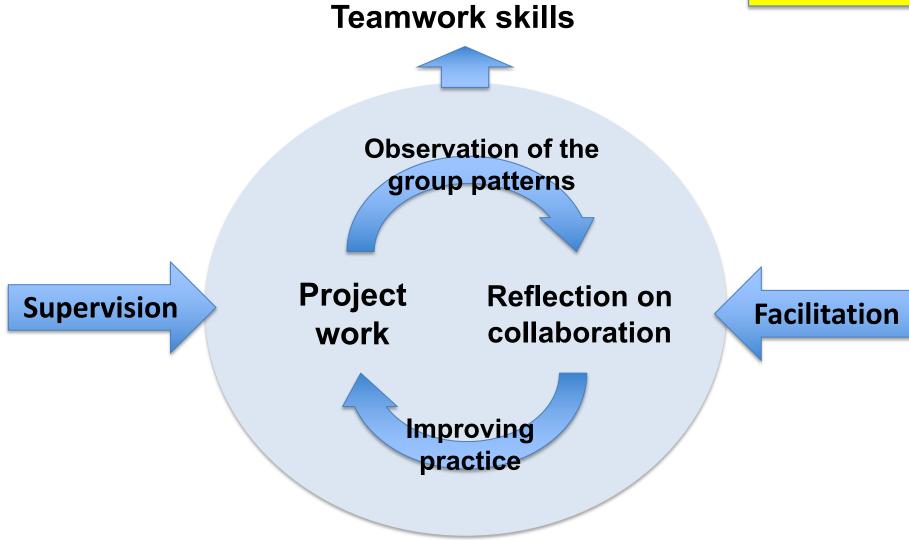
Expected outcome:

- Behavioural changes in team work skills towards higher productivity in a supportive environment
- Metacognitive perspectives: Experience based concept formation
- Improved collaborative skills that may translate into new, future worklife situations



Experiential learning in EiT

A simplified version of Kolbs learning cycle



Clarifying concept: teamwork skills

Students' should be able to:

- SEE: Identify key aspects of teamwork patterns and individual contributions
- THINK: Reflect on team features and contributions of self, others and team – obtain metacognitive perspectives
- SAY: Articulate constructive and supportive feedback to team mates and about the team as a whole
- CHANGE: Modify interactive teamwork patterns towards higher productivity within a positive social climate



Scandinavian Experts in Teams network



The network's main objective is to train the students to utilize their academic competence in interdisciplinary settings, nationally and internationally, in order to reach enhanced project outputs. This is achieved by focusing on teamwork skills, i.e. increasing the students' awareness of how they contribute as collaborative members in a team.

The network has established an annual conference "Interdisciplinary Teamwork Skills for the 21st Century": NTNU Trondheim 2015, EAAA Aarhus 2016, Uppsala University 2017, NTNU Trondheim 2018 DTU Copenhagen 2020

Cross-Scandinavian learning material and practical training of teachers in interdisciplinary teamwork skills: http://nordicexpertsinteamsnetwork.org/





















Needs for faculty development programs

- University teachers usually are unfamiliar with working with group dynamics – a prerequisite in fostering teamwork learning
- Before initiating experiential teamwork learning, faculty members should undergo some relevant training
- AIM: Develop facilitation skills in relation to group dynamics; get acquainted with group exercises, tools and inventories that may enhance teamwork skills learning



Training facilitators at EiT/NTNU

Common training over two full days

- Faculty members with diverse backgrounds
- Learning assistants (hired students)

Separate training of learning assistants

Practical training of facilitate student teams (roll play)

EiT-book

 A resource book for faculty members supporting experiencebased training; contains several group exercises and more



More information:

https://www.ntnu.edu/eit

