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University of Applied Sciences

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ISPS – International Study and Project Semester

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Key Questions today

- Can universities continually produce graduates that have current and relevant skills to keep up with changing industry requirements?
- Do we keep writing new units?
- Or, should we try harder to collaborate with other faculties, universities and industry to provide targeted skills?

Introduction

University Teaching Theories: Comparison of different approaches (theories) to university teaching and learning according to Paul Ramsden

	Theory 1 Teaching as telling	Theory 2 Teaching as organising	Theory 3 Teaching as making learning possible
FOCUS	Teacher and content	Teaching techniques that will result in learning	Relation between students and subject matter
STRATEGY	Transmit information	Manage teaching process; transmit concepts	Engage; challenge; imagine oneself as a student
ACTIONS	Chiefly presentation	'Active' learning; organising activity	Systematically adapted to suit student understanding
REFLECTION	Unreflective; taken for granted	Apply skills to improve teaching	Teaching as a research-like scholarly process

Ref.: P. Ramsden, 2003, "Learning to Teach in Higher Education", Routledge, London, p. 115

Introduction

In use are amongst others:

- practica
- project-based learning
- co-operative education
- industry-based learning/studies
- community based learning
- learning by developing
- work integrated learning (WIL)
- activity-led learning (ALL)

→ ISPS
→ EPS
→ MUTW
→ PRAXIS

just to name a few.

Evidently these programs can be quite different considering the mix of academic and practical phases, going up to full-time employment offers.

Introduction

Examples:

IBL:

Industry-Based Learning (IBL) is a program for undergraduate students in which they are offered the opportunity to undertake full-time, paid employment in industry, in an area relevant to their studies.

ALL:

Activity-Led Learning … is a pedagogic approach in which the activity is the focal point of the learning experience and the tutor acts as a facilitator. An activity is a problem, project, scenario, case study, research question or similar in a classroom, work based, laboratory based or other appropriate setting and for which a range of solutions or responses are appropriate.

Introduction

The ultimate goal of including practical (application-oriented) phases into a study program is to increase employability through national or international mobility and soft skills.

Example educational programs:

- **ISPS**
  International Study and Project Semester
- **EPS**
  European Project Semester
- **MUTW**
  Multinational Undergraduate Team Work
- **PRAXIS**
  the Thematic Network dedicated to project/internship-based teaching and learning.

Support system:

- **ACE**
  Academic Clearing-House for Excellence.

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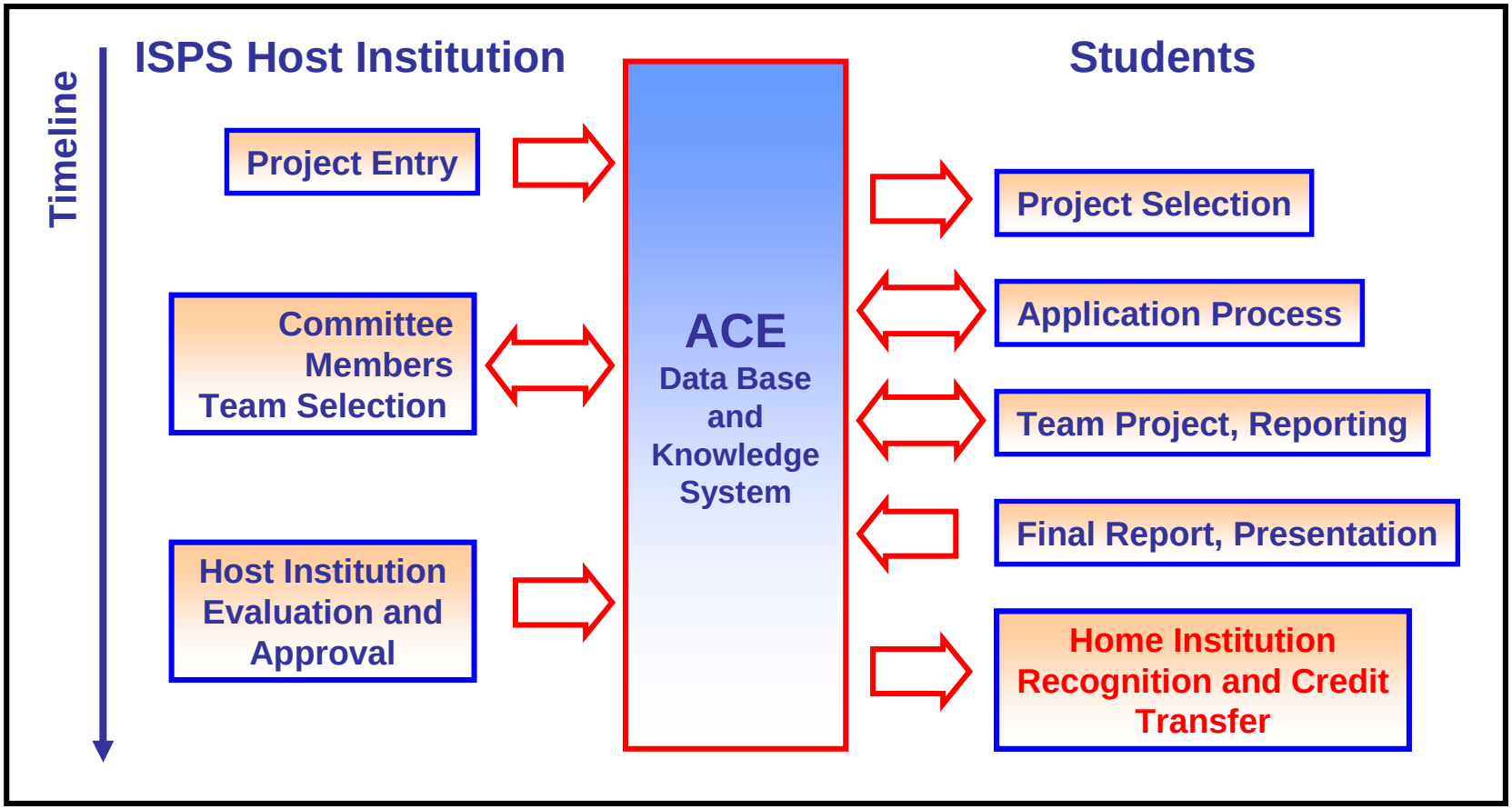
The International Study and Project Semester (ISPS) at Kiel University of Applied Sciences

- Defines a study period fully integrated into a bachelor's or master's study program during which students will spend a study-abroad semester at a selected partner institution.
- Participating students will be actively involved in a multidisciplinary team-oriented project strongly related to university or industry based research and development.
- Additionally participants will study a predefined number of subjects related to their area of focus.
- Emphasis on high-quality project work carried out by international teams, accompanied by a specialized study program from the host university's standard repertoire.
- To coordinate ISPS activities, the Academic Clearing-House for Excellence (ACE) will be employed, giving potential candidates easy access to globally available ISPS-compatible R&D projects offered in innovative growth areas.

ISPS


Timeline
ISPS Host Institution
Students
Project Entry
Committee Members Team Selection
Host Institution Evaluation and Approval
ACE
Data Base and Knowledge System
Project Selection
Application Process
Team Project, Reporting
Final Report, Presentation
Home Institution Recognition and Credit Transfer

ISPS scenarios

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ISPS incorporated into an
Information Technology Bachelor Degree program
Bachelor of Information Technology – BIT
(with focus on Internet application)
at Kiel University of Applied Sciences.

	Semester 1	Semester 2
Year 1	Courseware	Courseware
Year 2	Courseware	Courseware
Year 3	ISPS (including project and courseware) "or"	ISPS (including internship and thesis)

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ISPS incorporated into an Information Technology Master Degree program

Master of Information Technology – MIT
(with focus on Internet application)
at Kiel University of Applied Sciences.

	Semester 1	Semester 2
Year 1	Courseware	Courseware
Year 2	ISPS (including master's project and courseware)	Master's Thesis

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EPS - European Project Semester

- Created under the coordination of the *Copenhagen University College of Engineering (now DTU – Technical University of Denmark)*.
- Goal is to form international groups of students with different skills, working on real-life projects.
- EPS was formed on a European scale in order to take advantage of existing exchange programs like the Lifelong Learning Programme (LLP).
- Students from outside Europe have participated, but the institutional involvement is limited to Europe.
- To facilitate the attached study program for the participating students, dedicated courses have been created that all EPS students have to take. These courses are taught in English and are generally not accredited and lack the quality assurance and evaluation the home institutions expect for course recognition and credit transfer.

EPS

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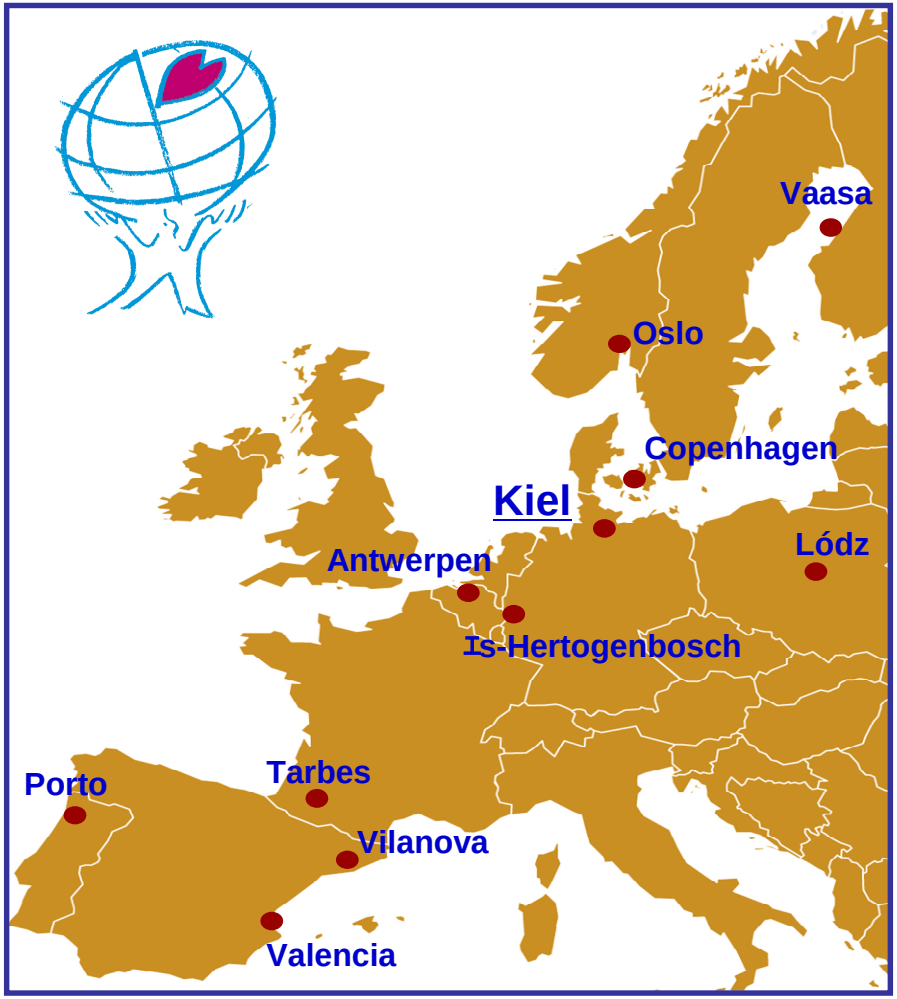

EPS Partner Institutions

EPS Phases

Lessons 4 weeks	Project 12 weeks + 1 week of examination and Graduation	1 week

Hard skills Project Management, Market research, Business Planning	Project Work	KIEL WEEK
Soft skills Team work, Intercultural Management, Presentation		
Focused Lectures Industry Introduction research highlights	Tutorial Session	
Language English German	Language	

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Immediate Goals:

- Definite start: summer semester 2014
- Each participating instituion should define at least one project.
- If possible, the project should have a component directly related to industry / business / commerce
- Early "advertisement" to form international, multidisciplinary groups
- Use Belbin test for preselection of group members
- Implement new software to manage the program (Kiel)

Conclusion

Conclusion

Implications, Recommendations, and Future Work

- Global & Innovative Projects
- International Internships
- Multi-Cultural Awareness
- Multi-Disciplinary Focus
- Key Skill Development
- Language Studies
- Industry Partners
- Student Mobility

Media, Infotainment & E-learning

Information Technology

Business Solutions & Entrepeneurship

Computer Engineering

Research, Innovation,

Employability

Employability

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Thank you!

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