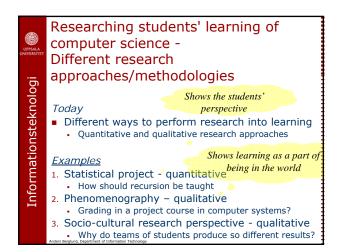
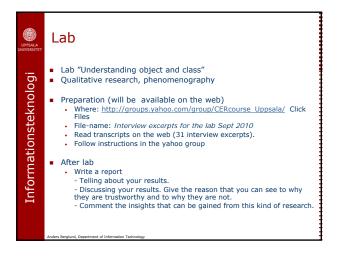
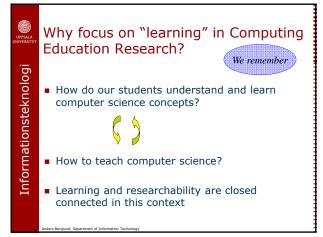


UPPSALA UNIVERSITET	Coming lectures and lab
Informationsteknologi	 24/9 Qualitative and quantatative research 28/9 Understanding teaching of CS 30/9, 15.15 - 18.00 Lab on qualitative research approach: How do students understand 'object' and 'class' 4/10 Understanding learning of Computer Science 6/10 Quantitative Research methods



by Division Interplay and Series Control on Series and Series a

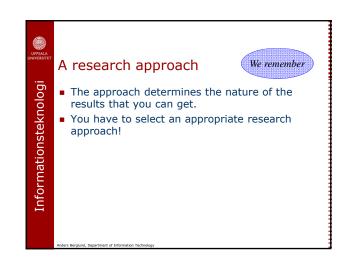


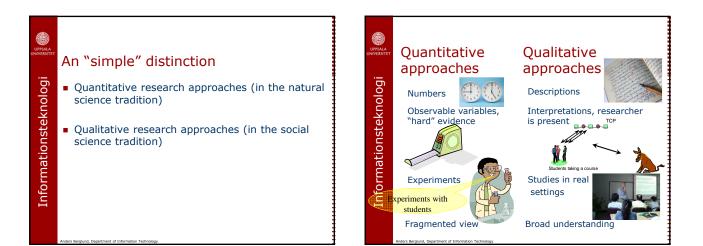


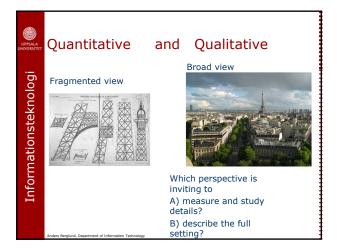
Informationsteknologi

A research approach = A research methodology = A research framework We remember

- Offers a way to perform research in learning.
- Organizes "ways to see things".
- A lens with a certain focus.
- With a specific research approach: Some issues get clearer, others blurred.









Example 1: Conceptual Models and Cognitive Learning Styles in Teaching Recursion

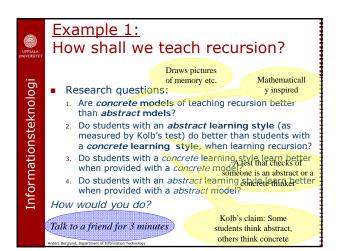
Alternative title

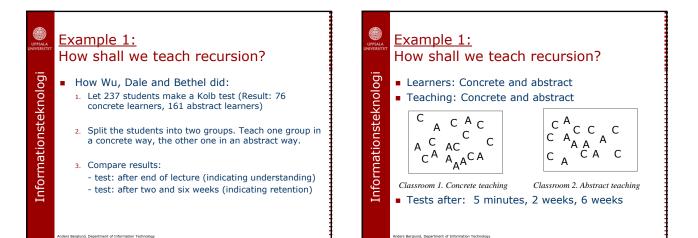
How shall we teach recursion?

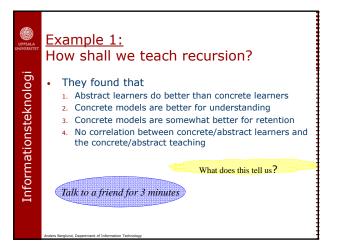
 Statistical study, quantitative

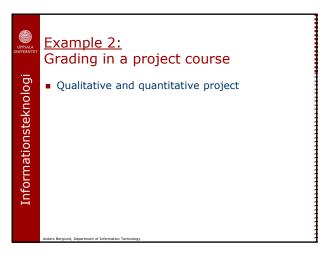


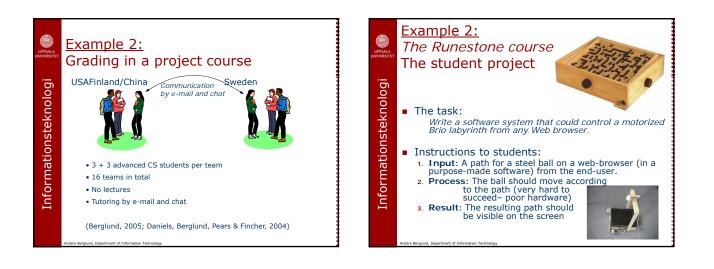
(Wu, Dale & Bethel, 1998)

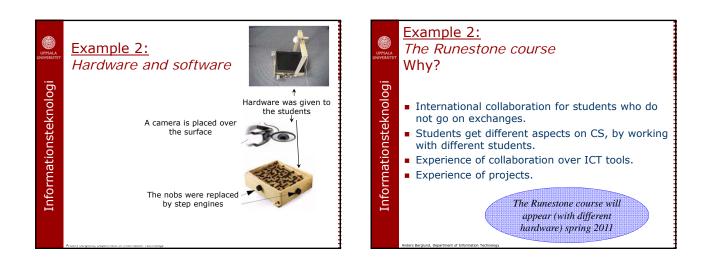


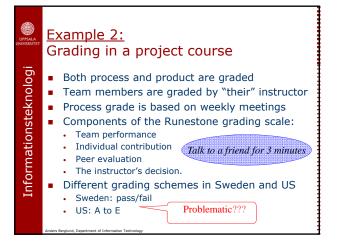


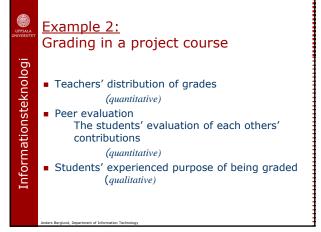






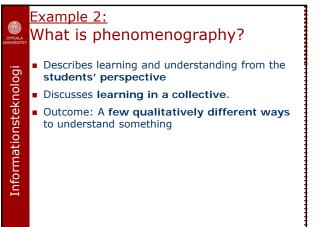


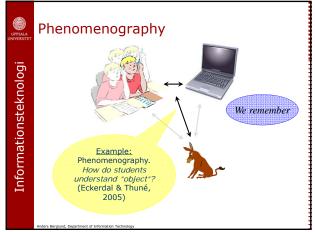


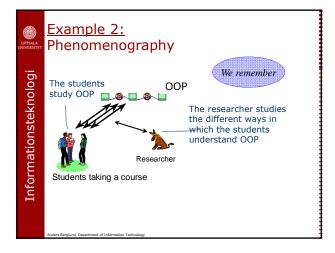


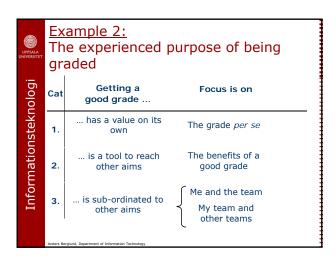
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Informationsteknologi			the instructors, a ne (Max = 100, 83,61 81,55	
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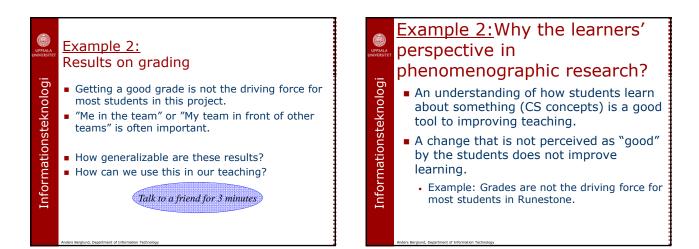
UPPSALA UNIVERSITET		mple 2 r evaluation	riend for 3 min.	utes	
Informationsteknologi	Eac	ch student awarded USD 1 team-mates	20 to his		
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Info	Then, what is the driving force?				

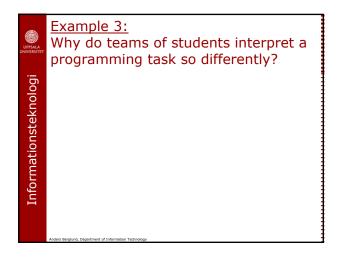












Example 3: Socio-cultural theory Describes learning as a part of the situation. Focus is on social interaction, the use of language and tools. Language and tools contain in themselves a social interaction and a history. Example: C++, Linux

