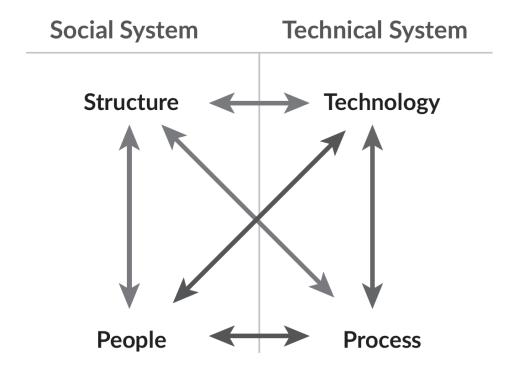
Information Systems

A.Y. 2023/24 01PDWOV



Information systems

formal, sociotechnical, organizational systems designed to collect, process, store, and distribute information
[Piccoli Pigni]



Information systems

Or

Software 'embedded' in organizations

 Understand the organization to design and improve the IS

Capability acquired

- Given an organization:
 - Being able to analyze the organization and the IT support to it
 - (Being able to assess IT support, find critical points)
- Given a process
 - Being able to identify options in improving current IT support to the process
 - Evaluation and selection of IT tools

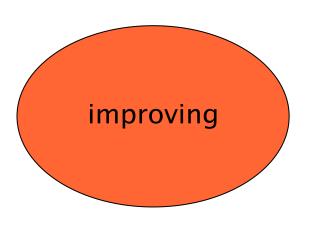
Capability acquired 2

- Given an organization
 - * See case studies, Flowe, TextileX, Intergea
- Given a process
 - ◆ See Purchase case, Rental car case

Course main topics

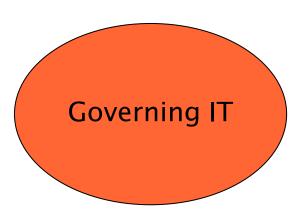
modeling

- Organizations
 - Models of (processes, functions, organizational structure)
 - High level models (T model, Anthony ..)
 - More detailed models (BPMN, UML, org charts)
 - Strategy, BMC, management loop, KPIs, SLAs
 - Process redesign



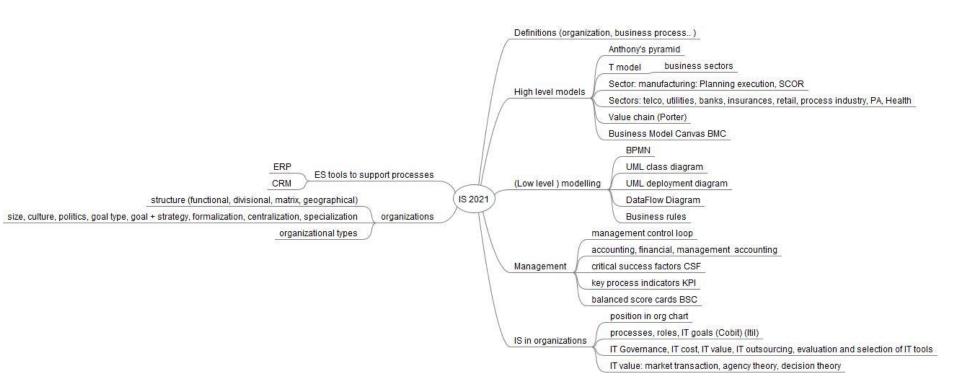
Course main topics

- IT in organizations
 - ERP, CRM and core IT offering
 - IT economics, cost and value of IT
 - Selection and adaptation of IT, outsourcing
 - ITIL COBIT



Course main topics

- Software embedded in organizations
- Out of scope
 - Software embedded in products
 - Cars, homes, devices
 - Software stand alone
 - Platform: OS, DB, network
 - Application: email, word processing, ..



THE message

- To build an effective IS you need to understand the organization, its processes, its goals
 - Technology is (usually) not the main problem