Enterprise architecture 781 (BBA 781)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
Programmes	BEngHons Industrial Engineering
	BScHons Applied Science Applied Science: Industrial Systems
Prerequisites	No prerequisites.
Contact time	48 Contact hours
Language of tuition	English
Academic organisation	Industrial and Systems Eng
Period of presentation	Semester 1 or Semester 2

Module content

Enterprise Engineering is a developing discipline that aims to comprehend enterprise complexity and thereby master it (Hoogervorst, 2009).
Two important concepts support enterprise engineering: enterprise ontology and enterprise architecture. While enterprise ontology describes the essence of an enterprise, enterprise architecture provides normative guidance for design (Hoogervorst, 2009).
The course provides different approaches to describe/represent the enterprise (its essence and implemented versions) and guide its evolution.
The module covers:
• Background on Systems thinking, Systems Design and Systems Engineering
• Different perspectives on alignment: creating coherency and consistency between different systems
• Prominent approaches (and related mechanisms) to govern coherent and consistent enterprise design (e.g. Zachman, The Open Group, EA as Strategy, Hoogervorst/Dietz).
• Enterprise Modelling (notation standards, languages using different tools).
• Case studies.
• Change Management

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