Lecture IT, AI in a new digital world
Summer Semester 2024

Name of the course	**IT and AI in a new digital world**
Name of the lecturer	**Dr. Harry Costin**
Description of the course	This course introduces the changes to the value chain and business models brought about by rapid advances in IT, and recently also Artificial Intelligence. We will discuss some of the changes that have occurred since the introduction of large computers (Mainframes) in the post WWII era, the impact of Microcomputers (PCs) since approximately 1980, the ubiquitous access to the internet since the late 1990s, the spread of devices such as the smartphones since the introduction of the IPhone in 2007, and the recent advances in AI. Also, the promise held by quantum computing. Recently, many traditional physical products such as books have become immaterial, transformed into digital data, the new "oil" of industry as it has been called. "Streaming" has become the name of the game in industries such as as entertainment with VOD. And we are still waiting for the revolution promised by the spread of 5G, which has promised to increase bandwidth tenfold. Generative AI is being widely used since the introduction of ChatGPT, causing excitement about its promise, and concern about the ease with which "fake" data can be produced and spread.
Dates	6th – 8th May, 16:00 – 19:15 and 13th – 15th, 16:00 – 19:15
Kind of exam	Team and individual exercises. One thematic brief to the class.
Prerequisites required	
Recommended reading	"The Road Ahead". Bill Gates. Viking Press 1995.
Working language	English
Available seats	