

Course Descriptions None 2022-2023

Course Title Knowledge, Innovation and Technological Change
 Course Code EBC4269
 ECTS Credits 6,5
 Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
4	6-2-2023	31-3-2023	X		X		

Level Advanced
 Coordinator João Fontes Duarte For more information: j.fontesduarte@maastrichtuniversity.nl
 Language of instruction English

Goals
 * Equip students with a powerful set of tools to analyze processes of innovation and technological change in competitive environments
 * Students learn how to analyze & interpret relevant data to make informed decisions
 * Students can communicate their ideas persuasively and professionally to their target audience

Description
 PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS.

Today's fast-paced international markets are characterized by continuous innovation and fierce technology-based competition. Therefore, understanding how firms generate new knowledge and how technological change affects the competitive landscape is essential for effective strategizing. This course bridges the gap between general strategy and more specialized technology and innovation fields. It addresses how organizations navigate challenges and take advantages of opportunities created by disruptive technological change. Among others, the following topics are covered: sources of new ideas and recombination, dealing with uncertainty, machine learning and AI for strategic decision-making, data as a source for competitive advantage, incentives for innovators, industries driven by new technology emergence and financing of innovation. It teaches students how to deal with the inherent uncertainty of business innovation processes and puts them into the position to formulate strategies related to innovation investment decisions, intellectual property, and technological change.

Literature Textbook; Academic and practitioner articles.

Prerequisites This Master-level course requires an understanding of general business concepts and management theories. Exchange students need to have obtained a bachelor degree with a major in business and need to major in strategy in their Master. An advanced level of English.

Keywords

Teaching methods PBL / Presentation / Lecture / Assignment / Groupwork

Assessment methods Attendance / Participation / Written Exam

Evaluation in previous academic year For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Master Business Research - No specialisation	Year 1 Disc - IB Strategy and Innovation
Master Business Research - Operations Research	Year 1 Elective Course(s)
Master Business Research - Operations Research	Year 2 Elective Course(s)
Master Digital Business and Economics	Elective Course(s)
Master Human Decision Science	Elective Course(s)
Master International Business - Strategy and Innovation	Compulsory Course(s)