

Course Descriptions None 2025-2026

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	2-2-2026	27-3-2026	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 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

- 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

Transitional Regulations

TRANSITIONAL REGULATIONS

- Master Business Research
- Master Business Research - Operations Research

In 2024-2025 and 2025-2026 education and exam/resit opportunities are offered.

In 2026-2027 exam/resit opportunities are offered.

From 2027-2028 onwards, the course is cancelled.

Academic Year	Education	Exam/Resit	Replacement(s)
2024-2025 - 2025-2026	X	X	
2026-2027	 	X	
2027-2028 onwards	 	 	

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	In transition - Y1 Disc IB Strategy and Innovation
	Master Business Research - Operations Research	In transition - Year 1+2 Elective Courses
	Master Business Research - Operations Research	Transitional Regulation
	Master Digital Business and Economics	Elective Courses
	Master Human Decision Science	Elective Courses
	Master International Business - Strategy and Innovation	Compulsory Courses