

## Course Descriptions Master 2022-2023

Course Title IT Performance in Business and Economics

Course Code EBC4084

ECTS Credits 6,5

Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
2	31-10-2022	16-12-2022			X		X

Level Advanced

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Language of instruction English

Goals After successfully finishing this course, students will be able to:

- \* Learn theoretical and methodological background on the relation between ICT investment, innovation and economic performance;
- \* Understand the relation between ICT investment and innovation;
- \* Understand how to investigate the relation between ICT, innovation and economic performance in practice (research methodology and execution of research);
- \* Make your own assessment of ICT based investment projects on economic performance at a firm level and/or at a higher level of aggregation.

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.

The objective of this course is to understand the role of ICT on business performance and on sectoral and aggregate economic performance. It includes modelling techniques, measurement issues and methodological approaches to analyse the impact of ICT on business and economics. It has a special focus on data analysis and research methodologies. Moreover, as we will show, innovation at more levels, e.g. organisational innovations and organisational change is needed for ICT investments to be successful. Part of the course is to analyse and report on a real life example based on either firm level data (case study) or at a sectoral or more aggregate data.

Literature

Prerequisites

Keywords

Teaching methods

Assessment methods

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 Digital Business and Economics Compulsory Course(s)