STUDY GUIDE

Technology and Knowledge Transfer: the path of the applied research organized by University of Catania

1. IDENTIFYING DATA	
Course name	Technology and Knowledge Transfer: the path of the applied research
Coordinating university	University of Catania (UniCT)
Course discipline	Not applicable
Study level	PhD

Number of ECTS credits allocated	1 ECTS
Mode of delivery	recorded lectures
Language of instruction	English
Delivery period	summer semester, 2023/2024
Course dates	from April 15 to May 31st
Precise schedule of the lecturers	Recorded sessions will be available from April 15th to May 31st. Consultation meetings will be held on the Teams platform (link will be sent to PhD students) on the following days: • April 22th (Monday) 15.00-16.00 • April 29th (Monday) 15.00-16.00 Total workload is 25 hrs: • 4 hrs of recorded lectures • 2 hrs of consultation meetings • 19 hrs of PhD student's own work
Keywords	Technology Transfer, Innovation, Patent, knowledge transfer

Prerequisites and corequisites	The course does not assume prior knowledge of Technology Transfer. Lectures are in English. Moreover, the course requires active participation. Therefore, a good level of English is a requirement.
Number of PhD students that can attend the Course	30 (10 per university)
Course inscription procedure(s)	Application Portal

2. CONTACT DETAILS	
Department	Department of Drug and Health Sciences & Department of Physics and Astronomy, UniCT
Name of lecturer	Prof. Filippo Caraci & Prof. Antonio Terrasi
e-mail	fcaraci@unict.it, antonio.terrasi@ct.infn.it
Short biography of lecturer (optional)	Prof. Filippo Caraci & Prof. Antonio Terrasi are currently Deputy Rector for Technology Transfer at the University of Catania

3. COURSE CONTENT
This short course focuses on the general principles of Technology Transfer, with a special emphasis on Technology Transfer models and evolution, Concepts of Invention, Innovation, Design, Protyping and marketing. We will define the general principles of Intellectual property Protection and patenting.

We will also then examine Technology Readiness Level as well as the path for Technology Transfer and the interaction with companies.

4. LEARNING OUTCOMES
Knowledge and understanding. By the end of the course, PhD students will be able to understand the general principles of Technology Transfer, with a special focus on TT models and how they can be applied to Intellectual property Protection and patenting. Applying knowledge and understanding. By the end of the course, students will apply various TT models and to identify the Technology Readiness Level with the aim to identify the best path for TT that can be adopted in the interaction with companies.

5. OBJECTIVES
To give a basic knowledge of IP, patents, academic entrepreneurship for PhD students.
To introduce the best practices and tools for Technology Assessment Program.

6. COURSE ORGANISATION
LEARNING RESOURCES AND TOOLS
Moodle – documents, videos and consultations
PLANNED LEARNING ACTIVITIES AND TEACHING METHODS
Lecture combined with consultation meetings.

7. ASSESSMENT METHODS, CRITERIA AND PERIOD
Assessment is based on class participation and consultation meetings. The final exam will focus largely on an oral discussion of the general principles of Technology Transfer, that will be used as a basis for discussing the key topics of the course.

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
PDF Slides of the Lectures, Tom Hockaday: “University Technology Transfer”, John Hopkins University Press, 2020
ADDITIONAL
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