



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Ingegneria
ACADEMIC YEAR	2021/2022
MASTER'S DEGREE (MSC)	MANAGEMENT ENGINEERING
SUBJECT	PRODUCT/PROCESS INNOVATION
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50368-Ingegneria gestionale
CODE	21675
SCIENTIFIC SECTOR(S)	ING-IND/16
HEAD PROFESSOR(S)	MICARI FABRIZIO Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	6
INDIVIDUAL STUDY (Hrs)	102
COURSE ACTIVITY (Hrs)	48
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	2
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	MICARI FABRIZIO Tuesday 08:00 10:00 Studio del docente, Edificio 8, primo piano

DOCENTE: Prof. FABRIZIO MICARI

PREREQUISITES	---
LEARNING OUTCOMES	----
ASSESSMENT METHODS	---
EDUCATIONAL OBJECTIVES	The main aim is to know methodologies for innovation in manufacturing industry. Also, tools for preparing and analysing an R&D project will be developed. Moreover, frameworks for R&D projects at EU and Italian level will be studied.
TEACHING METHODS	Case studies, R&D project analysis. Written exam.
SUGGESTED BIBLIOGRAPHY	Melissa A. SCHILLING: "Gestione dell'Innovazione", McGraw-Hill, 2005

SYLLABUS

Hrs	Frontal teaching
3	Innovation: concepts, phases and R&D
2	R&D function. Creativity development.
3	Innovation models. Technology life cycle and innovation diffusion.
2	Technology value: dimensions.
2	First movers, early followers, late entrants.
2	Projects portfolio
10	Project financing. European and Italian framework.
6	Industrial research: rules, laws and procedures.
4	Research project costs.
Hrs	Practice
10	R&D projects analysis
10	Preparing an R&D project