

COURSE NAME	:	Project management and Self-development (the path for excellence in research)	
LECTURER		Orazio Aiello, PhD	
COURSE CODE	:	ProMa-SelDe-2023	
CREDIT	:	5	
TOTAL STUDENT LEARNING HOURS	:	15	
PRE-REQUISITE	:	None	
LEARNING OUTCOMES	:	<p>The course aims to provide an overview of the criticisms of a Post-Doc life without a “Godfather” in academia. Best-practise to define a bright and independent research path will be described. In particular, the course focuses on successfully applying for a European grant.</p> <p>The lecturer will share all his experience in developing an independent research path as an EU grants-winner and the knowledge he also earned as an Expert Evaluator for the same funding schemes.</p>	
SYNOPSIS	:	<p>The course focuses on the opportunities of a Ph.D of pursuing an independent research path relying on prestigious European grants. In particular, the student will approach the MSCA-Post-Doctoral Fellowship.</p>	
COURSE CONTENTS	:		
			Learning Contact hour
LECTURE		1.	Corse Introduction: Life beyond a PhD. 2
			<ul style="list-style-type: none"> - Academia VS Companies perspective. - Italy VS Europe and rest of the word. - Toxic PhD/work context - Self-development and life-choices.
		2.	Project Planning and Scheduling 2
			<ul style="list-style-type: none"> - Project requirements definitions - Project planning tools - Project scheduling tools - Methods for reducing project duration and cost
		3.	Project Implementation 2
			<ul style="list-style-type: none"> - Project meeting and reporting process - Design review - Design change and modification process

		4.	Project Control Method
			<ul style="list-style-type: none"> - Project supervision, monitoring and progress control - Techniques for monitoring project expenses progress - Risk management - Project completion profile estimation - Case study
		5.	Intellectual Property
			<ul style="list-style-type: none"> - Types of intellectual properties (IP) - Types of IP protection - Process of acquiring IP right
		6.	Ethics
			<ul style="list-style-type: none"> - Philosophy of ethics and professionalism - Codes of ethics - Professional conduct
		7.	Integrity in Academia
			<ul style="list-style-type: none"> - Scientific Fraud, Fraudulent Research and Plagiarism - Unethical/Driven VS Genuine contest for academic position: Italy VS the rest of the world. - Cases of study: official documents of driven-contests
		8.	Self-development strategies
			<ul style="list-style-type: none"> - Independence in science: European funding schemes (MSCA and ERC) - Time management: Schedule optimization VS Time wasters. - Effective Communication and Team working - Conflict negotiation
			Total
			15
EVALUATIONS	:	Exam: <ul style="list-style-type: none"> - Final project: preparation of a research grant according to the MSCA-PostDoc Fellowship scheme to be discussed with the lecture. - Oral presentation of the research project: Any student will write his/her research project according to his/her research field.	
REFERENCES	:	1. Lecture notes, EU grant templates and other official documents	