



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Ingegneria
<b>ACADEMIC YEAR</b>	2020/2021
<b>BACHELOR'S DEGREE (BSC)</b>	BUILDING ENGINEERING, INNOVATION AND RETROFITTING
<b>SUBJECT</b>	PROJECT MANAGEMENT
<b>TYPE OF EDUCATIONAL ACTIVITY</b>	C
<b>AMBIT</b>	10685-Attività formative affini o integrative
<b>CODE</b>	20409
<b>SCIENTIFIC SECTOR(S)</b>	ING-IND/17
<b>HEAD PROFESSOR(S)</b>	ENEAS MARIO                      Cultore della Materia                      Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	
<b>CREDITS</b>	6
<b>INDIVIDUAL STUDY (Hrs)</b>	103
<b>COURSE ACTIVITY (Hrs)</b>	47
<b>PROPAEDEUTICAL SUBJECTS</b>	
<b>MUTUALIZATION</b>	
<b>YEAR</b>	3
<b>TERM (SEMESTER)</b>	1° semester
<b>ATTENDANCE</b>	Not mandatory
<b>EVALUATION</b>	Out of 30
<b>TEACHER OFFICE HOURS</b>	<b>ENEAS MARIO</b> Thursday 12:00 14:00 Ufficio docente

<b>PREREQUISITES</b>	Basic knowledge of Mathematical
<b>LEARNING OUTCOMES</b>	<p><b>Knowledge and understanding capacity</b> At the end of the course the student will be familiar with the knowledge and the methodology to face and solve the issues related to the project management. The student will be able to conceive, structure and manage the project in relation to its objectives. The student will have also the knowledge of the PMI standard.</p> <p><b>Ability to apply knowledge and understanding</b> The student will be able to apply tools and techniques of the Project Management knowledge area to analyze and solve the typical problems and to evaluate the project performance.</p> <p><b>Judgment autonomy</b> The student will be able to identify the needed data to solve the faced problems, to choose the more adequate methodological approach to the specific problem and to evaluate the goodness of the proposed solutions.</p> <p><b>Communications skill</b> The student will acquire the ability to communicate with competence and language skills also in specialized context.</p> <p><b>Learning ability</b> The student will be able to develop the new knowledge in the project management filed. In specific he/she will be able to treat complex aspects such as the project design, the optimal resources assignment, the project control, the decision analysis and the risks analysis, etc..</p>
<b>ASSESSMENT METHODS</b>	<p>A written exam and an oral exam.</p> <p>1. Evaluation criteria for the written exam:</p> <p>The written exam aims at verifying the ability, capacity and skills acquired during the course. It consists of a written exam related to the planning and monitoring of the project.</p> <p>If the student does not reach at least the sufficiency the written exam is considered not passed.</p> <p>2. Evaluation criteria for the oral exam</p> <p>The oral test consists of an interview to verify the ability, capacity and skills acquired during the course, the evaluation is expressed in thirtieths. Questions, both open and semi-structured, aim to verify:</p> <ul style="list-style-type: none"> <li>a)the acquired knowledge;</li> <li>b)the capability of elaborating;</li> <li>c)the possession of adequate capacity to expose the contents of the course.</li> </ul> <p>If the oral exam does not reach at least the sufficiency, the exam is considered not passed.</p> <p>The final score is formulated taking into account the score of the written exam as well as the score of the oral exam. The final score will be calculated by means of a weighted mean between the score of the oral exam and the written exam. In specific the weight of the written exam is proportional to the 40% of the ratio between the score of the oral exam and the score of the written exam. The weight if the oral exam is proportional to 1.</p> <p><b>Evaluation and criteria:</b></p> <p>Excellent (30- 30 cum laude): excellent knowledge of the arguments, excellent property of language, good analytic capacity. The student is able to brilliantly apply the knowledge to solve the proposed problems.</p> <p>Very good (26-29): good mastery of the arguments, full language skills. The student is able to apply autonomously the knowledge to solve the proposed problems.</p> <p>Good (24-25): basic knowledge of the main arguments, discrete language skills. The student has limited ability to apply the knowledge to solve the proposed problems.</p> <p>Satisfactory (21-23): the student does not have full competence of the main arguments of the course but he/she possess satisfactory knowledge, adequate language skills and discrete ability to apply the acquired knowledge.</p> <p>Sufficient (18-20): basic knowledge of the main arguments of the course and of the technical language, poor ability to apply the acquired knowledge.</p> <p>Insufficient: the student does not have an acceptable knowledge of the main arguments of the course. He/she has an insufficient ability to apply the acquired knowledge.</p>

<b>EDUCATIONAL OBJECTIVES</b>	In a context where the project management is a relevant operative approach it is necessary for human resources to own the skills in order to think and manage the project taking into account international standards. Moreover, an approach to managing project based on the application of structured methodologies is a fundamental prerequisite in a very competitive environment. The purpose of the course is to offer basic training related to the project management providing to the student the knowledge related to the PMBOK standard. Finally, another objective it is to provide students with basic training on the use of tools for planning, resource utilization and project control.
<b>TEACHING METHODS</b>	Frontal lessons and classroom exercises
<b>SUGGESTED BIBLIOGRAPHY</b>	Da prelevare dal sito: <a href="http://www.unipa.it/">http://www.unipa.it/</a> -Slide del corso Libri: -PMBOK del Project Management Institute ED. 2017, ed. PMI

## SYLLABUS

Hrs	Frontal teaching
5	Network analysis and planning models
4	Project scheduling with unlimited/constrained resources
3	The WBS
5	Project performance
2	The project; the project management; project life cycle and the organizational structures
3	The Project Manager, The Team Manager, The stakeholders.
3	The PMBOK standard
3	Risk management
4	Costs assessment, Project profitability
3	Software for the project management
Hrs	Practice
3	Planning models
5	The resources management
2	The costs management
2	The project/activities performance