Anno Accademico 2020/2021

SOFTWARE ENGINEERING	
Enrollment year	2018/2019
Academic year	2020/2021
Regulations	DM270
Academic discipline	ING-INF/05 (DATA PROCESSING SYSTEMS)
Department	DEPARTMENT OF ELECTRICAL,COMPUTER AND BIOMEDICAL ENGINEERING
Course	ELECTRONIC AND COMPUTER ENGINEERING
Curriculum	Informatica
Year of study	3°
Period	2nd semester (08/03/2021 - 14/06/2021)
ECTS	6
Lesson hours	70 lesson hours
Language	Italian
Activity type	WRITTEN AND ORAL TEST
Teacher	CUSANO CLAUDIO (titolare) - 3 ECTS MUSCI MIRTO - 3 ECTS
Prerequisites	Knowledge of procedural and object-oriented programming. Basic knowledge of the Java programming language.
Learning outcomes	The objective of the course is the understanding of the main issues concerning the design and the development of medium and large software projects.
Course contents	The following topics are addressed:- software development processes;- analysis of requirements;- object-oriented design principles;- software architectures;- distributed systems;- verification and validation techniques.
Teaching methods	Lectures (hours/year in lecture theater): 35 Practical class (hours/year in lecture theater): 0

	Practicals / Workshops (hours/year in lecture theater): 35 Lectures are given having as reference slides and other material provided by the lecturer. The workshops take place in the laboratory and concern the development (individually or in team) of a few software applications that illustrate the topics shown during the lectures.
Reccomended or required readings	- Ian Sommerville. Software Engineering - Craig Larman. Applying UML and Patterns
Assessment methods	The evaluation includes the presentation of a team project and the discussion of the topics presented during the lectures. A positive assessment of the project is a requirement for the access to the final oral exam.
Further information	
Sustainable development goals - Agenda 2030	$lbl_legenda_sviluppo_sostenibile