COORDINATION PROCESS OF LEARNING ACTIVITIES PR/CL/001





SUBJECT

103000486 - Models And Methods For Process Improvement And Assessments

DEGREE PROGRAMME

10AM - Master Universitario En Ingenieria Del Software

ACADEMIC YEAR & SEMESTER

2024/25 - Semester 1





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1. Description

1.1. Subject details

Name of the subject	103000486 - Models And Methods For Process Improvement And Assessments			
No of credits	4 ECTS			
Туре	Compulsory			
Academic year ot the programme	First year			
Semester of tuition	Semester 1			
Tuition period	September-January			
Tuition languages	English			
Degree programme	10AM - Master Universitario en Ingenieria del Software			
Centre	10 - Escuela Tecnica Superior De Ingenieros Informaticos			
Academic year	2024-25			

2. Faculty

2.1. Faculty members with subject teaching role

Name and surname	Office/Room	Email	Tutoring hours *
Jose Antonio Calvo- Manzano Villalon (Subject coordinator)	5107	joseantonio.calvomanzano@ upm.es	M - 10:30 - 13:30 W - 10:30 - 13:30
Tomas San Feliu Gilabert	5107	tomas.sanfeliu@upm.es	M - 10:00 - 13:00 W - 10:00 - 13:00

^{*} The tutoring schedule is indicative and subject to possible changes. Please check tutoring times with the faculty member in charge.





3. Prior knowledge recommended to take the subject

3.1. Recommended (passed) subjects

The subject - recommended (passed), are not defined.

3.2. Other recommended learning outcomes

- Knowledge about the software life cycle processes (activities and tasks)

4. Skills and learning outcomes *

4.1. Skills to be learned

- CE10 Evaluar de forma objetiva los procesos y productos frente a los estándares y normas aplicables.
- CE9 Definir, evaluar y mejorar los procesos software de una organización.
- CG1 Que los estudiantes sepan aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio (RD)
- CG17 Habilidades de gestión y capacidad de liderar un equipo que puede estar integrado por disciplinas y niveles distintos
- CG18 Capacidad de trabajar y comunicarse también en contextos internacionales



CG3 - Que los estudiantes sepan comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados de un modo claro y sin ambigüedades (RD)

4.2. Learning outcomes

- RA36 Posee dotes para liderar el cambio dentro de la organización
- RA37 Está capacitado para introducir mejoras en la organización
- RA35 Es capaz de definir, evaluar y mejorar los procesos software de una organización
- * The Learning Guides should reflect the Skills and Learning Outcomes in the same way as indicated in the Degree Verification Memory. For this reason, they have not been translated into English and appear in Spanish.

5. Brief description of the subject and syllabus

5.1. Brief description of the subject

New technologies are changing our way of life: airplanes, trains, communications, e-commerce, etc, and all of them need software to run. However, software is developed with poor quality; overruns in resources, effort and budget; and delays in delivery. It means that organizations must improve their way of producing software. In this context, it appears software process improvement. It consists of applying consistently the practices that provide good results, and changing those that cause problems.

So, enterprises should know their capacity/maturity level in order to develop software. The reference models are CMMI (Capability Maturity Model Integration with the views of Development, Services and Supplier Management), ISO 15504, and ITIL (Information Technology Infrastructure Library) among others. In order to be involved in a process improvement initiative, organizations should follow a process improvement lifecycle.

In this subject, and independently of the reference model used, a generic process improvement lifecycle oriented to large enterprises as well as small and medium-sized enterprises will be explained. In the main phase (the assessment phase), a method to make an assessment will be described. Students will have to make a plan in order to know the estimated hours and costs, resources and schedule involved in a process improvement initiative.

In the same way, a process improvement initiative in a small enterprise will be presented to students and they will have to analyse if the initiative is going to get benefits.

Later, the generic information related to the most known reference model (i.e., CMMI) will be explained





(maturity/capability levels, and institutionalization).

Finally, students will have to assess their estimating process and make a brief analysis and presentation.

5.2. Syllabus

- 1. Introduction
 - 1.1. Maturity Profile
 - 1.2. State of the practice
 - 1.3. Process Improvement (PI) concepts & Justifying PI
- 2. PI life cycles
 - 2.1. IDEAL, ISO 15504, Action Focus Improvement Model (AFIM)
 - 2.2. AFIM: Commitment
 - 2.3. AFIM: Assessment
 - 2.4. AFIM: Infrastructure&Action Plans, and Implementation
 - 2.5. A PI initiative in a small company
- 3. Reference Process Models
 - 3.1. CMMI Model
 - 3.2. The Estimating Process





6. Schedule

6.1. Subject schedule*

Week	Type 1 activities	Type 2 activities	Distant / On-line	Assessment activities
	Chapter 1: Maturity Profile Report			Discussion/Participating in class (NON-
	Duration: 00:30			RECOVERABLE)
	Lecture			Other assessment
				Progressive assessment
1	Chapter 1: State of the practice. Process			Presential
	Improvement (PI) concepts.			Duration: 02:00
	Duration: 01:30			
	Lecture			
	Chapter 1: Justifying PI			Discussion/Participating in class (NON-
	Duration: 00:30			RECOVERABLE)
	Lecture			Other assessment
				Progressive assessment
	Chapter 2: Process Improvement life			Presential
	cycles			Duration: 02:00
	Duration: 00:30			Burduon. 62.56
	Lecture			
	Lecture			
2	Chapter 2: Process Improvement life			
	cycles: AFIM: Commitment			
	Duration: 00:30			
	Lecture			
	Exercise related to ROI in Commitment			
	Duration: 00:30			
	Problem-solving class			
	Chapter 2: Process Improvement life			Discussion/Participating in class (NON-
	cycles: AFIM: Commitment			RECOVERABLE)
	Duration: 01:30			Other assessment
3	Lecture			Progressive assessment
				Presential
	Exercise related to ROI in Commitment			Duration: 02:00
	Duration: 00:30			
	Problem-solving class			
	Exercise related to ROI in Commitment			Discussion/Participating in class (NON-
	Duration: 02:00			RECOVERABLE)
	Problem-solving class			Other assessment
				Progressive assessment
				Presential
				Duration: 02:00
		l		Exercise related to ROI in Commitment
		l		Other assessment
		I		Progressive assessment
4		I		Presential
		I		Duration: 00:10
		I		
		I		Exercise related to ROI in Commitment:
		I		Best Presentation Award
		I		Other assessment
	l l			Progressive assessment





ı	I.	ı	I	L
				Presential
				Duration: 00:05
	Chapter 2: Process Improvement life			Discussion/Participating in class (NON-
	cycles: AFIM: Assessment			RECOVERABLE)
	Duration: 01:30			Other assessment
	Lecture			Progressive assessment
5				Presential
	Exercise related to ROI in Assessment			Duration: 02:00
	Duration: 00:30			
	Problem-solving class			
	Chapter 2: Process Improvement life			Discussion/Participating in class (NON-
	cycles: AFIM: Assessment			RECOVERABLE)
	Duration: 01:30			Other assessment
	Lecture			Progressive assessment
6				Presential
	Exercise related to ROI in Assessment			Duration: 02:00
	Duration: 00:30			
	Problem-solving class			
	-			Discussion/Participating in class (NON-
	Chapter 2: Process Improvement life			
	cycles: AFIM: Assessment			RECOVERABLE)
	Duration: 01:30			Other assessment
7	Lecture			Progressive assessment
,				Presential
	Exercise related to ROI in Assessment			Duration: 02:00
	Duration: 00:30			
	Problem-solving class			
	Exercise related to ROI in Assessment			Discussion/Participating in class (NON-
	Duration: 02:00			RECOVERABLE)
	Problem-solving class			Other assessment
	Froblem-solving class			
				Progressive assessment
				Presential
				Duration: 02:00
				L
				Exercise related to ROI in Assessment
				Group work
8				Progressive assessment
				Presential
				Duration: 00:15
				Exercise related to ROI in Assessment:
				Best Presentation Award
				Other assessment
				Progressive assessment
				Presential
				Duration: 00:05
	Chamter 2: Process Investor			
	Chapter 2: Process Improvement life			Discussion/Participating in class (NON-
	cycles: AFIM: Action Plans and			RECOVERABLE)
	Implementation			Other assessment
	Duration: 01:00			Progressive assessment
0	Lecture			Presential
9				Duration: 02:00
	Exercise related to ROI in a Small			
	Enterprise (statement)			
	Duration: 01:00			
	Problem-solving class			
			l .	





		I	I
	Exercise related to ROI in a Small		Discussion/Participating in class (NON-
	Enterprise		RECOVERABLE)
	Duration: 02:00		Other assessment
	Problem-solving class		Progressive assessment
	· · · · · · · · · · · · · · · · · · ·		Presential
			Duration: 02:00
			Exercise related to ROI in a Small
			Enterprise
			Group work
10			Progressive assessment
			Presential
			Duration: 00:10
			Suranon: 66.16
			Exercise related to ROI in a Small
			Enterprise: Best Presentation Award
			Other assessment
			Progressive assessment
			Presential
		 	Duration: 00:05
	Chapter 3: CMMI		Discussion/Participating in class (NON-
	Duration: 02:00		RECOVERABLE)
	Lecture		Other assessment
11	Lecture		
			Progressive assessment
			Presential
			Duration: 02:00
	Chapter 3: CMMI		Discussion/Participating in class (NON-
	Duration: 01:00		RECOVERABLE
	Lecture		Other assessment
12			Progressive assessment
12			
l .	Chanter 3: CMMI: Estimating process		Presential
	Chapter 3: CMMI: Estimating process		Presential
	Duration: 01:00		Presential Duration: 02:00
	Duration: 01:00 Lecture		Duration: 02:00
	Duration: 01:00 Lecture Exercise related to Assessment: the		Duration: 02:00 Discussion/Participating in class (NON-
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE
	Duration: 01:00 Lecture Exercise related to Assessment: the		Duration: 02:00 Discussion/Participating in class (NON-
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work
13	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment Pregressive assessment
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00 Problem-solving class		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment Presential Duration: 00:05
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00 Problem-solving class		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment Presential Duration: 00:05 Discussion/Participating in class (NON-
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00 Problem-solving class Progressive Evaluation: Review Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment Presential Duration: 00:05 Discussion/Participating in class (NON-RECOVERABLE) Other assessment
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00 Problem-solving class Progressive Evaluation: Review Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Progressive assessment Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment Presential Duration: 00:05 Discussion/Participating in class (NON-RECOVERABLE) Other assessment Progressive assessment
	Duration: 01:00 Lecture Exercise related to Assessment: the Estimating process Duration: 02:00 Problem-solving class Progressive Evaluation: Review Duration: 02:00		Duration: 02:00 Discussion/Participating in class (NON-RECOVERABLE Other assessment Progressive assessment Presential Duration: 02:00 Exercise related to Assessment: the Estimating process Group work Presential Duration: 00:10 Exercise related to Assessment: in the Estimating process: Best Presentation Award Group work Progressive assessment Presential Duration: 00:05 Discussion/Participating in class (NON-RECOVERABLE) Other assessment





	Progressive Evaluation	Discussion/Participating in class (NON-
	Duration: 02:00	RECOVERABLE)
	Problem-solving class	Other assessment
		Progressive assessment
		Presential
15		Duration: 02:00
		Progressive Evaluation
		Written test
		Progressive assessment
		Presential
		Duration: 02:00
		Global Evaluation
		Written test
16		Global examination
		Presential
		Duration: 02:00
17		

Depending on the programme study plan, total values will be calculated according to the ECTS credit unit as 26/27 hours of student face-to-face contact and independent study time.





7. Activities and assessment criteria

7.1. Assessment activities

7.1.1. Assessment

Week	Description	Modality	Туре	Duration	Weight	Minimum grade	Evaluated skills
1	Discussion/Participating in class (NON- RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
2	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
3	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
4	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
4	Exercise related to ROI in Commitment	Other assessment	Face-to-face	00:10	10%	5/10	CG1 CG3 CG18 CG17 CE9 CE10
4	Exercise related to ROI in Commitment: Best Presentation Award	Other assessment	Face-to-face	00:05	0%	0/10	CG3 CG18
5	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0 / 10	CG18 CG1
6	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0 / 10	CG18 CG1
7	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	5/10	CG1 CG18
8	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
8	Exercise related to ROI in Assessment	Group work	Face-to-face	00:15	20%	5/10	CG1 CG3 CG18 CG17 CE9 CE10
8	Exercise related to ROI in Assessment: Best Presentation Award	Other assessment	Face-to-face	00:05	%	0/10	CG3 CG18





9	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
10	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
10	Exercise related to ROI in a Small Enterprise	Group work	Face-to-face	00:10	15%	5/10	CG1 CG3 CG18 CG17 CE9 CE10
10	Exercise related to ROI in a Small Enterprise: Best Presentation Award	Other assessment	Face-to-face	00:05	%	0 / 10	CG3 CG18
11	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
12	Discussion/Participating in class (NON-RECOVERABLE	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
13	Discussion/Participating in class (NON-RECOVERABLE	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
13	Exercise related to Assessment: the Estimating process	Group work	Face-to-face	00:10	10%	5/10	CG1 CG3 CG18 CG17 CE9 CE10
13	Exercise related to Assessment: in the Estimating process: Best Presentation Award	Group work	Face-to-face	00:05	%	0 / 10	CG3 CG18
14	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
15	Discussion/Participating in class (NON-RECOVERABLE)	Other assessment	Face-to-face	02:00	1%	0/10	CG1 CG18
15	Progressive Evaluation	Written test	Face-to-face	02:00	30%	5/10	CG1 CG3 CG18 CE9 CE10

7.1.2. Global examination

Week	Description	Modality	Туре	Duration	Weight	Minimum grade	Evaluated skills
					5 /40	CG1	
			5	85%		CG3	
16		Face to face				CG18	
16	Global Evaluation	Evaluation Written test Face-to-face	Face-10-race	Face-to-face 02:00 85%	85%	5/10	CG17
						CE9	
							CE10





7.1.3. Referred (re-sit) examination

Description	Modality	Туре	Duration	Weight	Minimum grade	Evaluated skills
						CG1
				100%	5/10	CG3
Final Test	\A/=i++= = +==+	Face-to-face	03:00			CG18
Filial Test	Written test					CG17
						CE9
						CE10

7.2. Assessment criteria

The assessment activities are the following:

- Attendance and Active participation of students during the classes (15%). This is a NON-RECOVERABLE
 activity because the specific class and its discussion is not going to be repeated. This is an INDIVIDUAL
 activity.
- 2. Group Exercises related to Return on Investment (ROI) in Commitment (10%), Assessment (20%).. These are TEAM activities.
- 3. Group Exercise related to ROI in a Small enterprise (15%). This is a TEAM activity
- 4. Group Exercise related to the Assessment of the Estimating Process (10%). This is a TEAM activity.
- 5. Individual Progressive evaluation exam (25%) related to the main concepts of the subject. This is an INDIVIDUAL activity.

It should be noted that to motivate students in making presentations, there are some Best Presentation Award activities. The way to choose the best presentation is by voting with the rest of the students (but you cannot vote for the team to which you belong to). The team that wins the best presentation award will have 0.1 extra points in the final grade for the subject.

The previous assessment activities can be recovered (except activity 1), if failed, in the Global Evaluation Test (16 week)

Students should have a rating greater or equal than 5.0 (over 10) to pass each activity (except activity 1). If not, the activities can be recovered in the Global Evaluation Test.





In the global evaluation (week 16), the grade of this exam computes the 85% of the final grade. The remaining 15% corresponds to the rating obtained in the previous activity 1.

8. Teaching resources

8.1. Teaching resources for the subject

Name	Туре	Notes
Subject Moodle Site	Web resource	Students will be able to get the slides and
Subject Moodle Site	vveb resource	other resources from the Moodle platform.
		McFeeley, B.; IDEAL: A User's Guide for
IDEAL	Diblio graphy	Software Process Improvement;
IDEAL	Bibliography	Handbook CMU/SEI-96-HB-001; February
		1996
		SCAMPI Upgrade Team; Standard CMMI®
		Appraisal Method for Process Improvement
SCAMPI	Bibliography	(SCAMPI) A, Version 1.3: Method Definition
		Document; Handbook CMU/SEI 2011-HB-
		?001; March 2011
		ITIL -Information Technology Infrastructure
		Library
ITIL	Bibliography	(Service Strategy, Service Design, Service
		Transition, Service Operation, Continual
		Service Improvement)
CMMI Model V/2 O	Dibliography	CMMI Institute, CMMI V2.1 Model, December
CMMI Model V2.0	Bibliography	2018