



POLITÉCNICA

INTERNATIONAL
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COORDINATION PROCESS OF
LEARNING ACTIVITIES
PR/CL/001



E.T.S. de Ingenieros
Informaticos

ANX-PR/CL/001-01

LEARNING GUIDE

SUBJECT

103000631 - Weekly presentation series- fall term

DEGREE PROGRAMME

10AK - Master Universitario en Software y Sistemas

ACADEMIC YEAR & SEMESTER

2017/18 - Semester 1

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1. Description

1.1. Subject details

Name of the subject	103000631 - Weekly presentation series- fall term
No of credits	4 ECTS
Type	Optional
Academic year of the programme	First year
Semester of tuition	Semester 1
Tuition period	September-January
Tuition languages	English
Degree programme	10AK - Master Universitario en Software y Sistemas
Centre	Escuela Tecnica Superior de Ingenieros Informaticos
Academic year	2017-18

2. Faculty

2.1. Faculty members with subject teaching role

Name and surname	Office/Room	Email	Tutoring hours *
Manuel Carro Li?ares (Subject coordinator)	2304	manuel.carro@upm.es	M - 15:00 - 19:00 Please send an e-mail to set up an appointment before going to the instructor's office.

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

2.3. External faculty

Name and surname	Email	Institution
Pedro Lopez	pedro.lopez@imdea.org	CSIC
César Sanchez	Cesar.sanchez@imdea.org	IMDEA Software Institute
Aleks Nanevski	aleks.nanevski@imdea.org	IMDEA Software Institute
Juan Caballero	Juan.caballero@imdea.org	IMDEA Software Institute
Alessandra Gorla	alessandra.gorla@imdea.org	IMDEA Software Institute
Gilles Barthe	Gilles.barthe@imdea.org	IMDEA Software Institute
Boris Koepf	Boris.koepf@imdea.org	IMDEA Software Institute
Dario Fiore	Dario.Fiore@imdea.org	IMDEA Software Institute
José Morales	Josef.Morales@imdea.org	IMDEA Software Institute
Pierre Ganty	Pierre.ganty@imdea.org	IMDEA Software Institute
Alexey Gotsman	Alexey.Gotsman@imdea.org	IMDEA Software Institute

3. Prior knowledge recommended to take the subject

3.1. Recommended (passed) subjects

El plan de estudios Master Universitario en Software y Sistemas no tiene definidas asignaturas previas recomendadas para esta asignatura.

3.2. Other recommended learning outcomes

- Have enough overall knowledge of a wide spectrum of computer science topics in order to follow and understand the research presentations which are made in the seminar. General acquaintance with programming and programming languages is required.
- Students wishing to take this course must get in touch with the coordinator prior to enrollment to make sure that they have the adequate background and that a slot is available.

4. Skills and learning outcomes *

4.1. Skills to be learned

CEM3 - Aplicar métodos de investigación relevantes a problemas abiertos en el área de la Ingeniería del Software, relacionados tanto con las características peculiares del producto software como con la gestión del desarrollo del mismo

CEM4 - Analizar y evaluar los diferentes paradigmas y enfoques de ingeniería de construcción y gestión de sistemas basados en software.

CG12 - Comprensión amplia de las técnicas y métodos aplicables en una especialización concreta, así como de sus límites

CG13 - Apreciación de los límites del conocimiento actual y de la aplicación práctica de la tecnología más reciente.

CG14 - Conocimiento y comprensión de la informática necesaria para la creación de modelos de información, y de los sistemas y procesos complejos

CG17 - Habilidades de gestión y capacidad de liderar un equipo que puede estar integrado por disciplinas y niveles distintos.

CG4 - Que los estudiantes posean las habilidades de aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo.

CG7 - Especificación y realización de tareas informáticas complejas, poco definidas o no familiares

CG8 - Planteamiento y resolución de problemas también en áreas nuevas y emergentes de su disciplina

CG9 - Aplicación de los métodos de resolución de problemas más recientes o innovadores y que puedan implicar el uso de otras disciplinas

CGI20 - Adquirir conocimientos científicos avanzados del campo de la informática que le permitan generar nuevas ideas dentro de una línea de investigación.

CGI23 - Capacidad de leer y comprender publicaciones dentro de su ámbito de estudio/investigación, así como su catalogación y valor científico

4.2. Learning outcomes

RA95 - Cada estudiante deberá ser capaz de resumir, de forma articulada y clara, los principales aspectos merecedores de investigación relacionados con los diferentes retos de la ingeniería del software.

RA24 - Diseñar experimentos en ingeniería del software, incluyendo replicaciones experimentales

* 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

The IMDEA Software Institute hosts a research presentation every week. All enrolled students are expected to make at least one presentation per semester, and all students are expected to attend all (or, at least, most) presentations. Student advisers may periodically check that students are actually following and understanding the presentations and establishing the right connections (when applicable) with their own field of study in order to assess their maturity, and also check the quality of the presentation.

5.2. Syllabus

1. Selection of topic to be presented.

6. Schedule

6.1. Subject schedule*

Week	Face-to-face classroom activities	Face-to-face laboratory activities	Other face-to-face activities	Assessment activities
1	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
2	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
3	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
4	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
5	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
6	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
7	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
8	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
9	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
10	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
11	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30

12	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
13	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
14	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
15	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
16	Software Seminar presentation Duration: 01:45 Lecture			Report / discussion on the presentation Individual presentation Continuous assessment Duration: 00:30
17				Make a presentation Individual presentation Final examination Duration: 01:00

The independent study hours are training activities during which students should spend time on individual study or individual assignments.

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.

* The subject schedule is based on a previous theoretical planning of the subject plan and might go through experience some unexpected changes along throughout the academic year.

7. Activities and assessment criteria

7.1. Assessment activities

7.1.1. Continuous assessment

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
1	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
2	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
3	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23

4	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
5	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
6	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
7	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23

8	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
9	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
10	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
11	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23

12	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
13	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
14	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
15	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23

16	Report / discussion on the presentation	Individual presentation	Face-to-face	00:30	6.25%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23
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7.1.2. Final examination

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
17	Make a presentation	Individual presentation	No Presential	01:00	100%	0 / 10	CG4 CG8 CG9 CEM3 CG7 CG12 CG13 CG14 CG17 CGI20 CEM4 CGI23

7.1.3. Referred (re-sit) examination

No se ha definido la evaluación extraordinaria.

7.2. Assessment criteria

Maturity and degree of understanding shown by the students.

8. Teaching resources

8.1. Teaching resources for the subject

Name	Type	Notes
papers	Bibliography	Papers presented in the theory seminar.

9. Other information

9.1. Other information about the subject

All students wishing to take this course are required to get in touch with the coordinator of the course prior to enrollment in order to verify whether the requirements for the course are met and to ensure that there are available slots for this course. **Please consult** <http://software.imdea.org/graduateschool> .