



POLITÉCNICA

INTERNATIONAL
CAMPUS OF
EXCELLENCE

COORDINATION PROCESS OF
LEARNING ACTIVITIES
PR/CL/001



E.T.S. de Ingeniería y Sistemas
de Telecomunicación

ANX-PR/CL/001-01

LEARNING GUIDE

SUBJECT

593000117 - Ict and the information society

DEGREE PROGRAMME

59AC - Master Univ. en Sistemas y Servicios para la Sociedad de la Información

ACADEMIC YEAR & SEMESTER

2017/18 - Semester 1

Index

Learning guide

1. Description.....	1
2. Faculty.....	1
3. Prior knowledge recommended to take the subject.....	2
4. Skills and learning outcomes	2
5. Brief description of the subject and syllabus.....	3
6. Schedule.....	5
7. Activities and assessment criteria.....	7
8. Teaching resources.....	9
9. Other information.....	10

1. Description

1.1. Subject details

Name of the subject	593000117 - Ict and the information society
No of credits	3 ECTS
Type	Compulsory
Academic year of the programme	First year
Semester of tuition	Semester 1
Tuition period	September-January
Tuition languages	English
Degree programme	59AC - Master Univ. en Sistemas y Servicios para la Sociedad de la Información
Centre	Escuela Técnica Superior de Ingeniería y Sistemas de Telecomunicación
Academic year	2017-18

2. Faculty

2.1. Faculty members with subject teaching role

Name and surname	Office/Room	Email	Tutoring hours *
Antonio Perez Yuste (Subject coordinator)	8304	antonio.perez@upm.es	Sin horario.
Antonio Perez Yuste (Subject coordinator)	8304	antonio.perez@upm.es	Sin horario.

* 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

El plan de estudios Master Univ. en Sistemas y Servicios para la Sociedad de la Información no tiene definidas asignaturas previas recomendadas para esta asignatura.

3.2. Other recommended learning outcomes

- Regulación y Economía de las Telecomunicaciones
- Evolución Histórica de las Telecomunicaciones
- Seguridad y Privacidad de las Comunicaciones
- Redes, Sistemas y Servicios de Comunicaciones
- Tecnologías y Aplicaciones Multimedia
- Mercado de las Telecomunicaciones
- Ciencia, Técnica y Sociedad

4. Skills and learning outcomes *

4.1. Skills to be learned

CEP.3 - Capacidad de analizar los servicios de la Sociedad de la Información y los requisitos tecnológicos para su implementación considerando conceptos de diseño para todos

CEP.4 - Capacidad de analizar la Sociedad de la Información y las transformaciones que comporta.

CGEN.2 - Poseer habilidades para el aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo

CGEN.5 - Capacidad para la elaboración, planificación estratégica, dirección, coordinación y gestión técnica y económica de proyectos en el ámbito de la ingeniería para la Sociedad de la Información siguiendo criterios éticos, de calidad y medioambientales.

CGEN.9 - Capacidad de investigación, desarrollo e innovación en de la ingeniería para la Sociedad de la Información

4.2. Learning outcomes

RA124 - Analizar los rasgos característicos y diferenciadores de la Sociedad de la Información como expresión relativa a la sociedad contemporánea.

RA125 - Conocer los tipos y categorías de TICs que se utilizan en el ámbito del Conocimiento, el Entretenimiento y las Relaciones Sociales y valora el impacto socio-económico que pueden llegar a producir.

RA126 - Evaluar de forma crítica los efectos que la implantación de las políticas para la Sociedad de la Información pueden llegar a tener en los ámbitos sociales y económicos.

* 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

This course is intended for graduate students in engineering who are interested in knowing the most remarkable characteristics of the Information Society and, in addition, who wish to get acquainted with Information and Communication Technologies (ICTs) and how they are changing our present society. Along this course, next topics will be presented and studied:

- Historical evolution of ICTs.
- Different faces from which the Information Society can be studied.
- The meaning of the Information Society and its implications for modern societies.
- Economic, social and political changes happened in modern societies from the introduction of ICTs.
- Recognizable paradigms of the Information Society.
- Risks of the Information Society and antidotes to solve them.
- Conflicts involved in the Information Society and trade-offs related.
- Enabling Technologies for the Information Society.

This course will be entirely taught and assessed on-line by using the Moodle virtual learning platform. Every student must be previously registered to log-in the platform and, once in, follow the instructions to access the course.

5.2. Syllabus

1. Unit 1

- 1.1. Towards getting to know the Information Society
- 1.2. Information Society ? What is it exactly?
- 1.3. Technology and Society in the Information Age

2. Unit 2

- 2.1. Social Networks and the Network Society
- 2.2. Use of Space in the Information Society Age
- 2.3. Innovation and Competitiveness in the IS

3. Unit 3

- 3.1. Introduction to the legal regulation of IS
- 3.2. The Information Strategy of the European Union
- 3.3. e-Government in the European Union
- 3.4. e-Inclusion in the Information Society

4. Unit 4

- 4.1. Case of Study
- 4.2. Facts and Figures about the Information Society
- 4.3. Practical Exercise: ICT Development Index

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	Course introduction and description Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	
2	Towards getting to know Information Society Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
3	Information Society ? What is it exactly? Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
4	Technology and Society in the Information Age Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
5			Unit 1. Summarize and Study Review Duration: 02:00 Additional activities	Unit 1 Assessment Review Written test Final examination Duration: 03:00
6	Social Networks and the Network Society Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
7	Use of Space in the Information Society Age Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
8	Innovation and Competitiveness in the Information Society Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
9			Unit 2. Summarize and Study Review Duration: 02:00 Additional activities	Unit 2 Assessment Review Written test Final examination Duration: 03:00
10	Introduction to the legal regulation of Information Society Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
11	The Information Strategy of the European Union Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00

12	E-Government in the European Union Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
13	E-Inclusion in the Information Society Duration: 02:00 Additional activities		Study and information investigation Duration: 02:00 Additional activities	Self-Assessment Online test Continuous assessment Duration: 01:00
14			Unit 3. Summarize and Study Review Duration: 02:00 Additional activities	Unit 3 Assessment Review Written test Final examination Duration: 04:00
15		Case of Study Duration: 01:00 Additional activities		Essay on the Case of Study Individual work Continuous assessment Duration: 04:00
16		Facts and Figures about the Information Society Duration: 01:00 Additional activities		Practical Exercise: ICT Development Index Individual work Continuous assessment Duration: 04:00
17				

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
2	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CEP.4
3	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CEP.4
4	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CEP.4
6	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.5 CEP.4
7	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.5 CEP.4
8	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.5 CEP.4
10	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.9 CEP.4
11	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.9 CEP.4
12	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.9 CEP.4

13	Self-Assessment	Online test	No Presential	01:00	6%	4 / 10	CGEN.2 CEP.3 CGEN.9 CEP.4
15	Essay on the Case of Study	Individual work	No Presential	04:00	10%	4 / 10	CEP.4
16	Practical Exercise: ICT Development Index	Individual work	No Presential	04:00	30%	4 / 10	CEP.4

7.1.2. Final examination

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
5	Unit 1 Assessment Review	Written test	Face-to-face	03:00	30%	5 / 10	CGEN.2 CEP.3 CEP.4
9	Unit 2 Assessment Review	Written test	Face-to-face	03:00	30%	5 / 10	CGEN.2 CGEN.9 CGEN.5 CEP.4
14	Unit 3 Assessment Review	Written test	Face-to-face	04:00	40%	5 / 10	CGEN.9 CEP.4 CGEN.2 CEP.3

7.1.3. Referred (re-sit) examination

No se ha definido la evaluación extraordinaria.

7.2. Assessment criteria

- Para la calificación final, sólo se tendrán en cuenta los criterios de evaluación sumativos, si bien, el no cumplimiento de los objetivos formativos podrá suponer una penalización
- Las autoevaluaciones y trabajos propuestos se puntuarán según el cumplimiento de los objetivos planteados en los enunciados correspondientes
- Las autoevaluaciones se realizarán on-line, a través de la plataforma de tele-educación on-line de la asignatura, mediante cuestionarios de preguntas que se calificarán a partir de los aciertos obtenidos

8. Teaching resources

8.1. Teaching resources for the subject

Name	Type	Notes
The Information Society as Post-Industrial Society	Bibliography	Yoneji Masuda, World Future Society, 1981
Theories of the Information Society	Bibliography	Frank Webster, Routledge, 1995
The Information Age: Economy, Society and Culture, Vol. I (1996), Vol. II (1997) and Vol. III (1998)	Bibliography	Manuel Castells
The Information Age	Bibliography	Emmanuel C. Lallana, e-ASEAN Task Force, 2003
Code 2.0	Bibliography	Lawrence Lessig, Basic Books, 2006
Information Society: From Theory to Political Practice	Bibliography	Robert Pintér, Gondolat Kiadó, 2008
Social Computing and Virtual Communities	Bibliography	Panayiotis Zaphiris and Chee Siang Ang, CRC Press, 2010
TechTalk, IEEE Spectrum	Web resource	http://spectrum.ieee.org/blog/tech-talk
Bits, New York Times	Web resource	http://www.nytimes.com/column/bits
CNMC Blog	Web resource	https://blog.cnmc.es/
The IETF Journal	Web resource	http://isoc.org/wp/ietfjournal

9. Other information

9.1. Other information about the subject

- La plataforma de tele-educación on-line empleada en la asignatura es la plataforma Moodle.
- Para acceder a la plataforma de tele-educación Moodle será necesario disponer de una cuenta de correo electrónico de la UPM (@alumnos.upm.es).
- Toda la documentación de la asignatura, agenda de actividades del curso, realización de tareas, evaluación de la asignatura y seguimiento de la actividad docente del alumno, se realizará mediante la plataforma Moodle. Por esa razón, es muy importante que el estudiante se encuentre dado de alta en la plataforma Moodle desde antes, incluso, de que comiencen oficialmente las clases.