ANX-PR/CL/001-01

LEARNING GUIDE

SUBJECT

53001537 - Seminar 2

DEGREE PROGRAMME

05BG - Master Universitario En Electronica Industrial

ACADEMIC YEAR & SEMESTER

2018/19 - Semester 2

Index

Learning guide

1. Description

1.1. Subject details

Name of the subject	53001537 - Seminar 2
No of credits	1.5 ECTS
Type	Compulsory
Academic year ot the programme	First year
Semester of tuition	Semester 2
Tuition period	February-June
Tuition languages	English
Degree programme	05BG - Master universitario en electronica industrial
Centre	05 - Escuela Tecnica Superior de Ingenieros Industriales
Academic year	2018-19

2. Faculty

2.1. Faculty members with subject teaching role

Name and surname	Office/Room	Email	Tutoring hours *
Jose Andres Otero Marnotes (Subject coordinator)	CEI	joseandres.otero@upm.es	Sin horario. Sin horario. Disponible para tutorías cualquier día de la semana, en el horario de trabajo habitual. El horario de la tutoria será acordado vía e-mail.

* 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 Universitario en Electronica Industrial no tiene definidas asignaturas previas recomendadas para esta asignatura.

3.2. Other recommended learning outcomes

- Basic Knowledge on Power Electronics

- Basic Knowledge on Digital Electronics

4. Skills and learning outcomes *

4.1. Skills to be learned

CB06 - Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en el desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación

CB07 - 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

CG01 - Haber adquirido conocimientos avanzados y demostrado, en un contexto de investigación científica y tecnológica o altamente especializado, una comprensión detallada y fundamentada de los aspectos teóricos y prácticos y de la metodología de trabajo en uno o más campos de estudio

CG06 - Haber desarrollado la autonomía suficiente para participar en proyectos de investigación y colaboraciones científicas o tecnológicas dentro de su ámbito temático, en contextos interdisciplinares y, en su caso, con una alta componente de transferencia del conocimiento.

CT01 - Uso de la lengua inglesa

CT07 - Trabajo en contextos internacionales

4.2. Learning outcomes

RA125 - Ver Temario

* 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 goal of the advanced seminars is to provide every year state-of-the art talks on hot research topics, given, if possible, by inviting recognized experts on these advanced topics. This allows improving the training of the students with state-of-the art technical content, not covered in the rest of the courses in the program, which have a more stable content. Therefore, the scheduling and the syllabus of each seminar will be defined by each invited professor.

5.2. Syllabus

1. Los contenidos de la asignatura serán definidos por el profesor que imparte el seminario cada año

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	**magisterial Lectures** Duration: 14:00			**Students will have a final exam on the topic covered in the seminar.** Final examination Duration: 02:00 **Students will participate in the seminar answering questions raised by the professor and solving practical problems during the seminar itself.** Continuous assessment Duration: 00:00
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
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 theorical planning of the subject plan and might go to 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	Students will participate in the seminar answering questions raised by the professor and solving practical problems during the seminar itself.		Face-to-face	00:00	100%	5 / 10	CB06 CB07 CG01 CG06 CT01 CT07

7.1.2. Final examination

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
1	Students will have a final exam on the topic covered in the seminar.		Face-to-face	02:00	100%	5 / 10	CB06 CB07 CG01 CG06 CT01 CT07

7.1.3. Referred (re-sit) examination

No se ha definido la evaluación extraordinaria.

7.2. Assessment criteria

The evaluation of the course will be done by means of a written exam on which the knowledge acquired by the students during the seminar will be evaluated. Nevertheless, if the invited speaker considers that doing a practical test would be more convenient, it could be also carried out. In any case, students must get a 5 (or above) to pass the seminar. The participation of the students during the seminar will be also considering, getting up to the 5 per cent of the final mark for this concept.

8. Teaching resources

8.1. Teaching resources for the subject

Name	Type	Notes
Class Slides	Bibliography	Invited speakers will provide their own didactic material to be used during the seminar.