



POLITÉCNICA

INTERNATIONAL
CAMPUS OF
EXCELLENCE

COORDINATION PROCESS OF
LEARNING ACTIVITIES
PR/CL/001



E.T.S. de Ingenieros
Informaticos

ANX-PR/CL/001-01

LEARNING GUIDE

SUBJECT

103000847 - Summer School

DEGREE PROGRAMME

10AZ - Master Universitario En Innovación Digital

ACADEMIC YEAR & SEMESTER

2021/22 - Semester 2

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Learning guide

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1. Description

1.1. Subject details

| | |
|---------------------------------------|--|
| Name of the subject | 103000847 - Summer School |
| No of credits | 4 ECTS |
| Type | Compulsory |
| Academic year of the programme | First year |
| Semester of tuition | Semester 2 |
| Tuition period | February-June |
| Tuition languages | English |
| Degree programme | 10AZ - Master Universitario en Innovación Digital |
| Centre | 10 - Escuela Tecnica Superior De Ingenieros Informaticos |
| Academic year | 2021-22 |

2. Faculty

2.1. Faculty members with subject teaching role

| Name and surname | Office/Room | Email | Tutoring hours * |
|---|--------------------|--------------------|-------------------------|
| Ziba Habibi Lashkari (Subject coordinator) | 5217, IMDEA:284 | ziba.habibi@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. Skills and learning outcomes *

3.1. Skills to be learned

CE-EIT07 - Capacidad para entender las tendencias globales o de mercado, las rutas de innovación, las redes industriales de valor en un sector (Digital Health, Digital Industry, Smart Cities, etc.), y reconocer su importancia relativa para el desarrollo de un producto o servicio y del negocio.

CE-EIT08 - Capacidad para analizar el negocio potencial, los modelos de negocio o los escenarios comerciales alternativos para una tecnología considerando un nuevo sector de aplicación y/o mercado y evaluar las condiciones de su explotación.

CG03 - La capacidad de usar la lengua inglesa de manera competente, es decir, con capacitación para tareas complejas de trabajo y estudio.

CG06 - Capacidad para gestionar la información.

CG07 - Capacidad de trabajar y comunicarse también en contextos internacionales.

CG08 - La capacidad de traducir innovaciones en soluciones comerciales factibles.

3.2. Learning outcomes

RA80 - Use knowledge, ideas and technology to create new or significantly improved products, services, processes, policies, new business models or jobs in a real environment

RA84 - Perform a business solution planning and development process (dynamics of developing the business, organization needed to implement it, go-to-market)

RA92 - Develop a business plan and commercial projects client oriented

RA78 - Understand global/market trends, innovation routes, industry value networks in a thematic area and recognize their relative importance for product/service and business development

* 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.

4. Brief description of the subject and syllabus

4.1. Brief description of the subject

The summer school consists of lectures of academics and practitioners, field visits, and socializing events. The main activity for the students is to work on a business plan/proposal. As the summer school is a two-week event, it is conceived to have a more design/market-oriented focus during the first week and a more business/financial focus for the second week.

4.2. Syllabus

1. Case presentations/assignment
2. Scenarios, the impact of ICT technologies in the thematic area
3. Innovation routes, industry value chains and value networks in the thematic area
4. User-centered design in the thematic area
5. Ethical, societal and sustainability aspects in the thematic area
6. Business models in the thematic area
7. Stakeholders analysis
8. Revenue models in the thematic area
9. Business model pitch
10. Market and competitors analysis, IPR
11. Development strategy, financing, risk analysis
12. Go-to-market strategies in the thematic area
13. Business plan pitch

5. Schedule

5.1. Subject schedule*

| Week | Face-to-face classroom activities | Face-to-face laboratory activities | Distant / On-line | Assessment activities |
|------|---|------------------------------------|-------------------|---|
| 1 | Scenarios, Technology Duration: 16:00 Business Scenario and Technologies Duration: 04:00 | | | Business Scenario and Technologies Continuous assessment Presential Duration: 03:00 |
| 2 | Business model and development, Market and competitors Duration: 16:00 Business Model and Strategy Duration: 04:00 | | | Final Pitch- Business Plan Final examination Presential Duration: 03:00 Business Proposal Final examination Presential Duration: 03:00 Business Model and Strategy Continuous assessment Presential Duration: 03:00 |
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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 schedule is based on an a priori planning of the subject; it might be modified during the academic year,

especially considering the COVID19 evolution.

6. Activities and assessment criteria

6.1. Assessment activities

6.1.1. Continuous assessment

| Week | Description | Modality | Type | Duration | Weight | Minimum grade | Evaluated skills |
|------|------------------------------------|----------|--------------|----------|--------|---------------|--|
| 1 | Business Scenario and Technologies | | Face-to-face | 03:00 | 50% | 5 / 10 | CG06 CG07 CG08 CE-EIT07 CG03 |
| 2 | Business Model and Strategy | | Face-to-face | 03:00 | 50% | 5 / 10 | CG07 CG08 CE-EIT07 CG03 CE-EIT08 CG06 |

6.1.2. Final examination

| Week | Description | Modality | Type | Duration | Weight | Minimum grade | Evaluated skills |
|------|----------------------------|----------|--------------|----------|--------|---------------|--|
| 2 | Final Pitch- Business Plan | | Face-to-face | 03:00 | 50% | 5 / 10 | CG06 CG07 CG08 CE-EIT07 CG03 CE-EIT08 |
| 2 | Business Proposal | | Face-to-face | 03:00 | 50% | 5 / 10 | CG06 CG07 CG08 CE-EIT07 CG03 CE-EIT08 |

6.1.3. Referred (re-sit) examination

| Description | Modality | Type | Duration | Weight | Minimum grade | Evaluated skills |
|----------------------------|----------|--------------|----------|--------|---------------|--|
| Final Pitch- Business Plan | | Face-to-face | 03:00 | 50% | 5 / 10 | CG06 CG07 CG08 CE-EIT07 CG03 CE-EIT08 |
| Business Proposal | | Face-to-face | 03:00 | 50% | 5 / 10 | CG06 CG07 CG08 CE-EIT07 CG03 CE-EIT08 |

6.2. Assessment criteria

The evaluation of the students will be based on two main sources:

- Presentation of the business proposal (50%)
- Presentation of the Business plan (50%)