# Guía docente

**205243 - PCVR - Comunicación Profesional para Ingenieros a Través de Realidad Virtual**

<table>
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<th>Última modificación:</th>
<th>22/04/2022</th>
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<tr>
<td>Unidad responsable:</td>
<td>Escuela Superior de Ingenierías Industrial, Aeroespacial y Audiovisual de Terrassa</td>
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<tr>
<td>Unidad que imparte:</td>
<td>756 - THATC - Departamento de Teoría e Historia de la Arquitectura y Técnicas de Comunicación.</td>
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**Titulación:**

- GRADO EN INGENIERÍA QUIMICA (Plan 2009). (Asignatura optativa).
- GRADO EN INGENIERÍA EN TECNOLOGÍAS AEROESPACIALES (Plan 2010). (Asignatura optativa).
- GRADO EN INGENIERÍA EN TECNOLOGÍAS INDUSTRIALES (Plan 2010). (Asignatura optativa).
- GRADO EN INGENIERÍA EN VEHÍCULOS AEROESPACIALES (Plan 2010). (Asignatura optativa).

<table>
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<tr>
<th>Curso:</th>
<th>2022</th>
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<tr>
<td>Créditos ECTS:</td>
<td>3.0</td>
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<td>Idiomas:</td>
<td>Inglés</td>
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**PROFESORADO**

<table>
<thead>
<tr>
<th>Profesorado responsable:</th>
<th>Stephens, Ian Kenneth</th>
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**Otros:**

**METODOLOGÍAS DOCENTES**

- Participatory lectures
- Participation in role plays and simulations
- Autonomous learning by means of the resolution of tasks and problems
- Autonomous learning of theoretical content
- Immersive learning (through Virtual Reality activities with goggles)

**OBJETIVOS DE APRENDIZAJE DE LA ASIGNATÚRA**

Familiarise students with spoken and written professional and technical communication and enable them to communicate effectively in English in authentic situations proper of their workplace settings. These objectives will be approached by immersing students in realistic professional scenarios in an imaginary company, where they will have to participate in different simulations.

Help students develop a range of professional communication skills, equipping them with a range of careers in bi- and multilingual and multicultural environments, thus familiarising students with intercultural competence.

Acquaint students with persuasive communication to effectively outline and communicate an idea for a product, service or project.

Help students deal with job applications to prepare an effective CV, a cover letter and a job interview. Familiarise students with product development processes to help them write an effective feasibility report and participate in meetings. Help students develop and practise their oral presentations skills, and help them write emails and memos, and read regulation documents regarding safety or environmental issues.
HORAS TOTALES DE DEDICACIÓN DEL ESTUDIANTADO

<table>
<thead>
<tr>
<th>Tipo</th>
<th>Horas</th>
<th>Porcentaje</th>
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<tbody>
<tr>
<td>Horas grupo grande</td>
<td>30,0</td>
<td>40.00</td>
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<tr>
<td>Horas aprendizaje autónomo</td>
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Dedicación total: 75 h

CONTENIDOS

**Module 1: Starting a new job in an engineering company**

Descripción:
The scenario in this first module is as follows: You want to land your new dream job in an engineering company. You know it’s tough to go through the selection process, but you’re determined to work on presenting yourself as the best candidate.

Actividades vinculadas:
- Job adverts/ job offers
- Job applications – CV
- Job interviews
- Meetings (Panel Interview)

Dedicación: 25h
Grupo grande/Teoría: 10h
Aprendizaje autónomo: 15h

**Module 2: Launching a new product**

Descripción:
The scenario for students is as follows: You now face your first challenge. You’ve been assigned the development of the company’s new product. You’re part of a team in charge of the design and development process of (the product). You’ll start by brainstorming and sketching your product before you present your prototype to the company’s general management board in order to convince them to manufacture the product.

Actividades vinculadas:
- Writing a feasibility report; participating in informal, team meetings;
- Writing the technical specifications of a product;
- Delivering a persuasive presentation in front of the management board

Dedicación: 25h
Grupo grande/Teoría: 10h
Aprendizaje autónomo: 15h
Module 3: Complying with safety, quality and environmental standards

Descripción:
The scenario is the following: As an experienced engineer in the company, you now have to cope with different problems related to the safety and quality of the product, otherwise you think the company may stand chances of being sued.

Actividades vinculadas:
- Meetings & presentations
- Leaflets
- Regulation documents

Dedicación: 25h
Grupo grande/Teoría: 10h
Aprendizaje autónomo: 15h

SISTEMA DE CALIFICACIÓN

The final grade will mainly consist of continuous assessment. Assessment will be based on the following activities:
Class participation: 15%
Final task for each module: 45% (15% each task)
Progress tests for each module: 25%
Final written test: 15%

RECURSOS

Otros recursos:
Course materials on Atenea from the I-BEE-VR Erasmus+ Project, "An immersive Business and Engineering English through Virtual Reality"