

## COURSE GUIDE

2022/23

**Faculty** 163 - Faculty of Engineering - Vitoria-Gasteiz

**Cycle** .

**Degree** GIAUTO10 - Bachelor's Degree in Automotive Engineering - DUAL

**Year** First year

## COURSE

28120 - Social and Communication Skills and Engineering Research Tools

**Credits, ECTS:** 6

## COURSE DESCRIPTION

The main aims of this subject is to improve the social skills of the students as: competent communication, leadership, research and gender equality, motivation, creativity, adaptability, emotional intelligence and other that will promote self-knowledge and personal and professional development.

The objective of this subject is training in skills and values that facilitates the insertion of the student in the working world and that provides them resources to promote the leadership of their personal and professional life

The students will work activities to improve their self-knowledge, discovering what skills, knowledge and attitudes improve their personal development and their professional and social effectiveness.

These skills will be the key to success in their studies and in their future professional life.

Once the IKDi3, G3AI (Gizarte Gaitasunak eta Generoa Automobilgintzako Ingeniaritzan) project has been implemented, the improvements detected continue to be applied to contribute to the progress of the E-A process, working on the SDGs (Sustainable Development Goals) 5 and 10; as well as, introducing, in this course, a global vision of sustainability that serves as a basis for the degree in general, and the elaboration of the state of the art required in the contents of the subject.

## COMPETENCIES/LEARNING RESULTS FOR THE SUBJECT

### COMPETENCES:

Ability to work in a group, autonomously and efficiently, applying basic communication skills and strategies. Ability to develop personal, instrumental and systemic skills necessary in the automotive industry.

### AUOTONOMY AND SELF-REGULATION:

#### Learning Outcomes:

AA01. Identifies the own emotions that determine the approach or the resolution of a problematic situation.

AA02. Responds to a problematic and stressful situation in a rational way, managing emotions to make the decisions

AA03. Shows self-confidence and motivation to successfully carry out the tasks that are proposed in a specific learning environment.

### EFFICIENT COMMUNICATION:

#### Learning Outcomes:

KO04. Adapts the use of English to the academic and/or professional context, using inclusive language.

KO05. Applies active listening and empathy in the relationship between people, favouring effective communication

KO06. Presents both written, verbal and non-verbal communication, duly organized, taking into account the objectives and adapting it to the audience.

### COOPERATIVE WORKING

#### Learning Outcomes:

TL07. Recognizes and identifies the roles of each of the team members; especially, he knows the ins and outs of leadership.

TL08. Accepts the different points of view of team members. Defines shared goals by applying different decision-making techniques and uses the available recording tools.

TL09. Knows the dynamics of conflicts and is able to use tools, such as Non-violent Communication, to try to transform them.

### DIGITAL SKILLS:

#### Learning Outcomes:

TL08. Uses available registration tools.

IF10. Develops and presents states of art appropriately, using bibliographic managers.

## CONTENIDOS TEÓRICO-PRÁCTICOS

Importance of social skills in engineering. Emotional Intelligence (EI) in engineering work.

Personal Development Plan (PDP) and Lifelong Learning. Ethics in engineering and social responsibility.

Innovation and Creativity.  
Gender perspective in engineering. Competent communication in engineering.  
Basic skills and strategies involved in communication: assertiveness, empathy, active listening. Team work.  
Leadership and negotiation.  
Technical state of art research. Management of bibliographic resources.

## TEACHING METHODS

The subject will be developed by mean of active methodologies based on cooperative learning:

- Team based learning
- Flipped classroom
- Guided University Debate (GUD).
- Self-directed learning providing timely feedback.

## TYPES OF TEACHING

Types of teaching	M	S	GA	GL	GO	GCL	TA	TI	GCA
Hours of face-to-face teaching	15	45							
Horas de Actividad No Presencial del Alumno/a	22,5	67,5							

**Legend:** M: Lecture-based                      S: Seminar                      GA: Applied classroom-based groups  
GL: Applied laboratory-based groups      GO: Applied computer-based groups      GCL: Applied clinical-based groups  
TA: Workshop                      TI: Industrial workshop                      GCA: Applied fieldwork groups

## Evaluation methods

- Continuous evaluation
- End-of-course evaluation

## Evaluation tools and percentages of final mark

- Written test, open questions 15%
- Individual assignments 25%
- Teamwork assignments (problem solving, Project design) 30%
- Oral presentation of assigned tasks, Reading 30%

## ORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

This subject contemplates a system of continuous evaluation.

Students can request a final evaluation, as long as they submit this request in writing. to the professor responsible for the subject, before finish the teaching period.

Once the resignation document has been received, both the student and the responsible professor must sign the document "Renunciation of the continuous assessment of the subject Social Skills and Communication and Tools of Research in Engineering".

In the event that a face-to-face assessment of the subject cannot be carried out, the pertinent changes will be made to carry out an on-line evaluation by using the existing tools at the UPV / EHU. The characteristics of this online assessment will be published in the student guides and on eGela.

## EXTRAORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

The extraordinary evaluation should be made exclusively through the final evaluation system, as set by the regulations for the evaluation of students, but in the case that the student has opted for continuous evaluation they will contemplate the positive results obtained during the course.

In the event that a face-to-face assessment of the subject cannot be carried out, the pertinent changes will be made to carry out an on-line evaluation by using the existing tools at the UPV / EHU. The characteristics of this on-line assessment will be published in the student guides and on eGela.

## MANDATORY MATERIALS

Those that are indicated and developed throughout the course.

## BIBLIOGRAFÍA

### Basic bibliography

Goleman, Daniel. (1995). Emotional intelligence. New York: Bantam.

<https://prezi.com/agg2zjesby-g/public-speaking-behaviors/> <https://humanbehavior.solutions/tag/public-speaking/?order=asc> <https://www.mindtools.com/CommSkill/PublicSpeaking.htm>  
<https://courses.lumenlearning.com/boundless-communications/chapter/significance-of-ethics-in-public-speaking/>

### Detailed bibliography

- Caballo, V. E., & Carrobes, J. A. (1987). Teoría, evaluación y entrenamiento de las habilidades sociales. Valencia: Promolibro.

- Cornelius, H., & Faire, S. (2007). Tú ganas-yo gano, todos podemos ganar: cómo resolver conflictos creativamente. Gaia.

- Cuesta, S. C., & Castillo, M. S. (2016). Habilidades sociales: módulo transversal, servicios socioculturales a la comunidad. Altamar.

- Rosenberg, M. (2000). Comunicación no violenta. Ediciones.

### Journals

- Revista Electrónica de Investigación Educativa.
- Personality and Individual Differences.
- Revista Iberoamericana de Educación.

### Web sites of interest

- <http://ieeexplore.ieee.org/Xplore/home.jsp>
- <http://www.sciencedirect.com/>
- <https://doaj.org/>
- <http://egela.ehu.es>
- <https://www.ehu.eus/es/web/biblioteka>
- <http://www.conflict-resolve.org/englisheveryonecanwin.htm>

## OBSERVATIONS