

Management Skills (250720)

General Information

School	ETSECCPB
Departments	Departament d'Enginyeria Civil i Ambiental (DECA) Departament d'Enginyeria de Projectes i de la Construcció (EPC)
Credits	5.0 ECTS
Programs	MÀSTER UNIVERSITARI EN ENGINYERIA ESTRUCTURAL I DE LA CONSTRUCCIÓ (pla 2015)
Course	2024/25

Main teaching language at each group

- Group 10ES1 Spanish (Q1)

Faculty

Responsible Faculty: Pablo Pujadas Álvarez
Faculty: Stanislav Aidarov, Pablo Pujadas Álvarez

Objectives of Education

Subject to provide criteria, knowledge and reflection on the values and qualities of a good manager

- Knowledge of criteria, knowledge and reflections on the qualities and values of a good manager . - Ability to discover, internalize and assess the impact of personal behavior as part of a team .

The importance of value formation. The engineer in the current context. The manager: leadership, creativity, innovation , motivation and communication. Evolution of society . Current business perspective: responsibility, ethics and commitment

The subject Management Skills is an intense path of personal and professional transformation with the aim of preparing future challenges that students will encounter in any company of the construction industry and anywhere in the world.

To this end, the subject trains and distinguishes the student in his leadership, organizational and management skills, working on his knowledge of the manager's values and ethics, and reinforcing his communication, leadership, negotiation, decision-making and communication skills and abilities. crisis management, motivation, people / team management, ...

Total hours of student work

		Hours	Percentage
Supervised Learning	Large group	25.5 h	56.67 %
	Medium group	9.75 h	21.67 %
	Laboratory classes	9.75 h	21.67 %
	Guided Activities	0.0 h	0.00 %
Self Study		80.0 h	

Contents

Decision making

To reinforce theoretical and practical knowledge related to decision-making and introduce the methodology for making decisions.

The executive and people management

To enhance theoretical and practical knowledge related to people management, including teamwork, leadership, motivation, and persuasive communication.

The executive and the negotiation

To reinforce theoretical and practical knowledge related to negotiation, including strategies, tactics, conflict management, and effective communication.

The executive self-management

To reinforce theoretical and practical knowledge related to executive self-management, covering personal organization skills, time management, etc

Current perspective on business

To see where today's organizations and what are the values that make it stand out over others. Analyze concepts such as responsibility, ethics, commitment. How companies have acquired a new role in the world today and how are trendsetter.

Activities

Evaluation activities of the subject

Evaluation assignments

Dedication

6h

Teaching Methodology

The teaching methodology is divided in three parts:

- Face-to-face exposition sessions of the contents (master classes)
- Face-to-face sessions of the practical coursework (practical classes and case studies)
- Autonomous work of the study and realization of the exercises and the activities.

In the master classes, the basic concepts of the course are explained. The supporting material is the general reference of the course, which will be complemented during the classes with additional information. The students will have complementary information available in the Digital Campus Atenea. In the sessions of the practical coursework, the Professors will guide the students to the application of the theory concepts to solve exercises, basing especially in the critical reasoning at all times. Exercises derived from real cases will be set, and the students will have to solve it in and outside of the classes, in order to foster the contact and use of the basic necessary tools for the resolution of exercises.

The students will previously need to have been working at home to foster the understanding of the exercises presented. The students, in an autonomous way, will have to work the material provided by the Professors and the result of the sessions of the practical workgroup in order to assimilate and fix the concepts.

Grading Rules

() The evaluation calendar and grading rules will be approved before the start of the course.*

The regular assessment is carried out through various procedures:

- (1) individual submissions and reports (EI), in which the student must demonstrate their ability to apply the

knowledge learned and develop problem-solving procedures;
(2) a course project (TC), in which the student must present, in groups, a proposal to a problem that is transversal to the course contents and proposed by the teacher;
(3) participation and performance during the course (RC), in which the student's participation in class activities, timely submission of short exercises and practices, and other activities proposed during the course to reinforce learning and self-assessment of acquired knowledge will be evaluated.

$$N_{\text{final}} = 0.50 \text{ NEI} + 0.40 \text{ NTC} + 0.10 \text{ NRC}$$

N_{final} - final grade

NEI - individual submissions grade

NTC - course project grade

NRC - course performance grade

Continuous assessment consist in several activities, both individually and in group, of additive and training characteristics, carried out during the year (both in and out of the classroom).

The teachings of the laboratory grade is the average in such activities.

The evaluation tests consist of a part with questions about concepts associated with the learning objectives of the course with regard to knowledge or understanding, and a part with a set of application exercises.

Test Rules

Failure to perform a laboratory or continuous assessment activity in the scheduled period will result in a mark of zero in that activity.

Bibliography

Basic

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