

Course guide

250720 - 250720 - Management Skills

Last modified: 28/03/2024

Unit in charge:	Barcelona School of Civil Engineering	
Teaching unit:	751 - DECA - Department of Civil and Environmental Engineering.	
Degree:	MASTER'S DEGREE IN STRUCTURAL AND CONSTRUCTION ENGINEERING (Syllabus 2015). (Optional subject).	
Academic year: 2023	ECTS Credits: 5.0	Languages: Spanish

LECTURER

Coordinating lecturer:	PABLO PUJADAS ÁLVAREZ
Others:	PABLO PUJADAS ÁLVAREZ

TEACHING METHODOLOGY

The course consists of 2,3 hours per week of classroom activity (large size group) and 0,3 hours weekly with half the students (medium size group).

The 2,3 hours in the large size groups are devoted to theoretical lectures, in which the teacher presents the basic concepts and topics of the subject, shows examples and solves exercises.

The 0,3 hours in the medium size groups is devoted to solving practical problems with greater interaction with the students. The objective of these practical exercises is to consolidate the general and specific learning objectives.

The rest of weekly hours devoted to laboratory practice.

Support material in the form of a detailed teaching plan is provided using the virtual campus ATENEA: content, program of learning and assessment activities conducted and literature.

Although most of the sessions will be given in the language indicated, sessions supported by other occasional guest experts may be held in other languages.

LEARNING OBJECTIVES OF THE SUBJECT

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, ...

STUDY LOAD

Type	Hours	Percentage
Hours small group	9,8	7.83
Hours medium group	9,8	7.83
Self study	80,0	63.95
Hours large group	25,5	20.38

Total learning time: 125.1 h

CONTENTS

Endesa - VMO and this course

Description:

The subject skills for management is an intense path of personal and professional transformation with the aim of preparing the future challenges that students will find in any company and anywhere in the world.

Full-or-part-time: 3h 35m

Theory classes: 1h 30m

Self study : 2h 05m

The engineer in the current context

Description:

Communication Skills

Communication Skills II: Ethos Logos Pathos

Full-or-part-time: 13h 12m

Theory classes: 1h 30m

Practical classes: 4h

Self study : 7h 42m

Decision making

Description:

Reinforce knowledge regarding decision-making and introduction to decision-making methodology

Decision Making Press I

Full-or-part-time: 19h 12m

Theory classes: 5h

Practical classes: 3h

Self study : 11h 12m

The director

Description:

Crisis Management
Negotiation strategies
Teamwork and Motivation
Failure Management
Entrepreneurship and Innovation
The manager: Practice

Full-or-part-time: 43h 12m

Theory classes: 12h
Practical classes: 6h
Self study : 25h 12m

Changes in society

Description:

Neither the engineers nor the managers are alien to the world around them. Declaration of Human Rights in the current context. Analyze social changes produced in recent decades and how they have affected the company, its composition, its expectations and its problems, as the context in shape when developing their work.

Full-or-part-time: 7h 11m

Theory classes: 3h
Self study : 4h 11m

Changes in society

Description:

Evolution of society: Sustainability

Full-or-part-time: 7h 11m

Theory classes: 3h
Self study : 4h 11m

Current perspective on business

Description:

In a changing world with the current thinking that companies can not remain the same as twenty years ago. Not only are equal to five. 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. Current perspective on business. Practica

Full-or-part-time: 14h 23m

Theory classes: 3h
Practical classes: 3h
Self study : 8h 23m



GRADING SYSTEM

The mark of the course is obtained from the ratings of continuous assessment and their corresponding laboratories and/or classroom computers.

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.

EXAMINATION 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:
