

[GJR105] PRODUCTION EQUIPMENT AND AUTOMATED SYSTEMS ENGINEERING IV

GENERAL INFORMATION

Studies	DEGREE IN MECHATRONICS ENGINEERING		Subject ?
Semester	2	Course	4
Character	COMPULSORY		Mention / Field of specialisation
Plan	2020	Modality	Adapted Face-to-face
Credits	18	Hours/week	0
		Total hours	[!] 0 class hours + 0 non-class hours = 0 total hours

PROFESSORS

(No professor appointed)

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	(No previous knowledge required)

SKILLS

VERIFICA SKILLS

SPECIFIC

GJCE20 - Analysing, considering and assessing mechatronic problems in equipment or production processes and automated systems, proposing the most suitable alternatives, assuming responsibilities, taking part in different work teams and generating the appropriate technical documentation, arguing and justifying any conclusions and solutions presented and transmitting information, ideas, problems and solutions to a specialised and non-specialised public

GENERAL

GJCG01 - To be able to take the initiative in problem solving, decision making, creativity, critical thinking, effective communication and the transfer of knowledge and skills in the field of mechatronics engineering

GJCG02 - To be able to do their job in multilingual, multidisciplinary environments.

GJCG03 - Addressing and optimising activities of assembly, commissioning, assistance and maintenance of facilities, machinery, and industrial mechatronic systems

GJCG04 - Managing technically teams and people in activities of assembly, commissioning, assistance and maintenance of facilities, machinery and industrial systems, through the methodology of administration by projects for the effective execution of planning

GJCG06 - Implement and materialize projects of automation and control of equipment, processes and flexible industrial systems, through the integration of hardware and software in order to optimize the operation of the different units that make up the system to meet the needs of the productive sector

CROSS

GJCTR1 - To be able to do their job in cooperative, participatory environments, with awareness of social responsibility.

GJCTR2 - To be able to understand and apply knowledge to problem solving in complex work situations or specialised and professional environments calling for creative and innovative ideas, using self-developed arguments and procedures;

BASIC

G_CB1 - To have proven to understand and have knowledge in a field of study based on general secondary education at a level found in advanced textbooks and including concepts at the forefront of their field of study.

G_CB2 - To be able to apply knowledge to occupational or professional tasks; have the necessary skills to pose and defend arguments, and to solve problems within their field of study

G_CB4 - To be able to communicate information, ideas, problems and solutions to both expert and lay audiences

G_CB5 - To have developed learning abilities required to embark on subsequent studies with a high level of autonomy.

LEARNING RESULTS

(No learning results)

CONTENTS

1. Security plan
2. Organisation of the company
3. Carrying out the tasks set out in the Training Project

Characteristics and context of the training activities

1. The work to be carried out by the learner must be framed within the tasks, processes and dynamics developed in the company.
2. The student will carry out tasks predefined by the mentor of the company and agreed with the tutor of the Faculty, identifying the starting point and the end point of the work to be carried out.
3. The planning of the tasks will be defined and agreed between the company mentor, the faculty tutor and the student.

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4. The complexity of the tasks and activities carried out shall increase as the placement period progresses.
 5. The level of autonomy of the student will increase as the placement period progresses.
 6. The level of quality required of the student in the execution of his/her activities and in the results will increase as the placement progresses.

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LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources

(No resources)

Bibliography

(No bibliography)