[GAL101] INDUSTRIAL ORGANISATION

GENERAL INFORMATION

Studies	DEGREE IN ENERGY ENGINEERING			**Subject**	ORGANISATION AND MANAGEMENT
Semester	1	**Course**	4	**Mention / Field of specialisation**	???
Character	OPTIONAL				
Plan	2017	**Modality**	Adapted Face-to-face	**Language**	EUSKARA
Credits	3	**Hours/week**	2.22	**Total hours**	40 class hours + 35 non-class hours = **75 total hours**

PROFESSORS

LEGARRETA ALEGRIA, JUAN LUIS

REQUIRED PREVIOUS KNOWLEDGE

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

SKILLS

VERIFICA SKILLS

SPECIFIC

G_IN10 - Applied knowledge of company organisation.

GENERAL

GACG1 - To have the knowledge, understanding and ability to apply the law pertaining to energy engineering; to be able to comply with the specifications, standards and regulations in force.

GACG5 - To be able to analyse and assess the social and environmental impact of technical solutions.

GACG8 - To draft and develop energy engineering projects focusing on the design, development and operation of energy applications, systems and services, applying strategies which minimise its impact on the environment.

BASIC

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

RGA401 **[!]** ***Identifica oportunidades de mejora en los sistemas productivos.***

LEARNING ACTIVITIES	CH	NCH	TH
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	20 h.	17,5 h.	37,5 h.

EVALUATION SYSTEM	W
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	55%
Individual written and/or oral tests or individual coding/programming tests	35%
Observation (technical capacity, attitude and participation)	10%

MAKE-UP MECHANISMS

Individual written and oral tests to assess technical skills of the subject

CH - Class hours: 20 h.
NCH - Non-class hours: 17,5 h.
TH - Total hours: 37,5 h.

RGA402 **[!]** ***Propone mejoras en los sistemas productivos.***

LEARNING ACTIVITIES	CH	NCH	TH
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	20 h.	17,5 h.	37,5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
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CONTENTS

1. Characteristics of the Lean Manufacturing
   1. Origin of Lean Manufacturing.
   2. Lead Time and inventory.
   3. Added value and inefficiency
2. Plant distribution and Cell design
   1. Types of plant distribution
   2. Methodology for the design of plant distribution
   3. Cell design
3. Efficiency
   1. Types of waste and efficiency.
4. Process stability
   1. 5S.
   2. TPM.
   3. Standard operations.
5. Rapid changeover
   1. SMED.
   2. REDIX case.
6. JIT methods
   1. FIFO lane.
   2. KANBAN-Supermarkets.

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_lnk.pl?grupo=ENERGIA41&ejecuta=35 Lean Manufacturing; Ed: Bubok Publishing S.L Edición (13/03/2013) ;ISBN 9788468628165