

[GOF301] LOGISTICS I

GENERAL INFORMATION

Studies	DEGREE IN INDUSTRIAL ORGANIZATION ENGINEERING	Subject	LOGISTICS
Semester	2	Course	2
Character	COMPULSORY	Mention / Field of specialisation	
Plan	2022	Modality	Face-to-face
Credits	6	Language	EUSKARA/CASTELLANO
		Hours/week	5.72
		Total hours	103 class hours + 47 non-class hours = 150 total hours

2030 AGENDA GOALS



PROFESSORS

SAN MIGUEL UGARTE, AMAIA
DIEZ RODRIGUEZ, OLATZ

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
GOR201 - To design efficient processes for the supply, storage and distribution of products, taking into account the key parameters of the supply chain		x		5,4
G-RTR1 - To develop interdisciplinary projects specific to their specialty and of gradual complexity, - becoming aware of respect for human rights and fundamental rights, and analyzing and assessing the impact of the proposed solutions on the SDGs - to acquire and/or apply basic, advanced and/or avant-garde, demonstrating the ability to work in multidisciplinary teams and/or undertake further studies with a high degree of autonomy		x		0,36
G-RTR2 - To express information, ideas and the arguments that support them in an orderly, clear and coherent manner, orally and in writing, based on quality information, self-made or obtained from different sources, using inclusive and non-discriminatory language		x		0,24
Total:				6

KC: Knowledge or Content / SK: Skills / AB: Abilities

ENAE LEARNING RESULTS

ENAE LEARNING RESULTS	ECTS
ENAE02 - Knowledge and understanding: A systematic understanding of the key aspects and concepts of their branch of engineering.	2,68
ENAE04 - Knowledge and understanding: To be aware of the multidisciplinary context of engineering.	0,28
ENAE06 - Analysis in engineering: Ability to apply their knowledge and understanding in analysing product, process and method engineering.	0,8
ENAE07 - Analysis in engineering: Ability to choose and apply relevant modelling and analytical methods.	0,4
ENAE08 - Engineering projects: Ability to apply their knowledge in the development and completion of projects which meet specific requirements.	0,37
ENAE15 - Practical application of engineering: Understanding of applicable methods and techniques and their limitations.	0,37
ENAE17 - Transversal competences: To work effectively, both individually and in a team.	0,37
ENAE18 - Transversal competences: To use different methods to communicate effectively with the engineering community and society in general.	0,37
ENAE19 - Transversal competences: Demonstrate that they are aware of the responsibility implied in the practical application of engineering, the social and environmental impact, and show commitment with professional ethics, responsibility and regulations of the practical application of engineering.	0,37
Total:	6

SECONDARY LEARNING RESULTS

2RGO290 (2 sem)

LEARNING ACTIVITIES

LEARNING ACTIVITIES	CH	NCH	TH
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams		3 h.	3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

100%

(No mechanisms)

CH - Class hours: 0 h.

NCH - Non-class hours: 3 h.

TH - Total hours: 3 h.

RG0201 [!] *Elige políticas de gestión de materiales y stocks atendiendo a diferentes estrategias productivas*

LEARNING ACTIVITIES

CH

NCH

TH

Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints

5 h.

5 h.

10 h.

Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects

20 h.

20 h.

Carrying out exercises and solving problems individually and/or in teams

15 h.

5 h.

20 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

25%

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

25%

Individual written and/or oral tests or individual coding/programming tests

Individual written and/or oral tests or individual coding/programming tests

50%

CH - Class hours: 40 h.

NCH - Non-class hours: 10 h.

TH - Total hours: 50 h.

2RG0291 (2 sem)

LEARNING ACTIVITIES

CH

NCH

TH

Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

3 h.

3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

100%

(No mechanisms)

CH - Class hours: 0 h.

NCH - Non-class hours: 3 h.

TH - Total hours: 3 h.

RG0202 [!] *Diseña de manera gráfica almacenes y redes de transporte que responden de forma eficiente y sostenible a la operativa de trabajo*

LEARNING ACTIVITIES

CH

NCH

TH

Development and writing of records, reports, presentations, audiovisual material, etc. on

20 h.

15 h.

35 h.

projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints 10 h. 10 h. 20 h.

Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects 30 h. 30 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

50%

Individual written and/or oral tests or individual coding/programming tests

Individual written and/or oral tests or individual coding/programming tests

50%

CH - Class hours: 60 h.

NCH - Non-class hours: 25 h.

TH - Total hours: 85 h.

2RGO292 (2 sem)

LEARNING ACTIVITIES

CH

NCH

TH

Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams

3 h.

3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

100%

(No mechanisms)

CH - Class hours: 0 h.

NCH - Non-class hours: 3 h.

TH - Total hours: 3 h.

2RGO293 (2 sem)

LEARNING ACTIVITIES

CH

NCH

TH

Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

3 h.

3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

100%

(No mechanisms)

CH - Class hours: 0 h.

NCH - Non-class hours: 3 h.

TH - Total hours: 3 h.

2RGO294 (2 sem)

LEARNING ACTIVITIES

CH

NCH

TH

Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams

3 h.

3 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	100%	(No mechanisms)
CH - Class hours: 3 h. NCH - Non-class hours: 0 h. TH - Total hours: 3 h.		

CONTENTS

1- Introduction 2- List of materials 3- To produce or to buy? 4- Materials and stock management 5- Distribution management 6- Storage systems 7- Handling equipment 8- Product preparation and packaging systems 9- Purchasing management

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources

- [!] *Artículos de carácter técnico*
- [!] *Apuntes de la asignatura*
- [!] *Plataforma Moodle*
- [!] *Presentaciones en clase*
- [!] *Programas*
- [!] *Proyección de videos*
- [!] *Realización de prácticas en laboratorio*
- [!] *Realización de prácticas en ordenador*

Bibliography

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- HARMON, R.L. eta PETERSON, LD. Reinventar la fábrica. Ciencias de la Dirección argitaletxea, 1.990
- Administración de producción y operaciones. Chase, Aquilano, Jacobs. 2000. Mc Graw Hill
- Production and Operations Management. Norman Gaither. 1996. Duxbury Press
- CUATRECASAS Lluís. Diseño de procesos de producción flexible. Productivity Press, Inc. 1996. ISBN: 84-87022-25-1
- SEKINE, Kenichi. Diseño de células de fabricación. Productivity Press, Inc. 1993. ISBN: 84-87022-03-0
- HYER, Nancy; WEMMERLÖV, Urban. Reorganizing the factory. Productivity Press, Inc. 2002. ISBN: 1-56327-228-8
- PTAK, C. & SMITH, C. 2011. Orlicky's Material Requirements Planning 3/E, McGraw Hill Professional.
- Jay Heizer & Barry Render Ed: Practice Hall ISBN: 0-13-018604-X