ISEL
ADEM
Área Departamental de Engenharia Mecânica

Curricular Unit Form (FUC)

Course:	**INDUSTRIAL ENGINEERING AND MANAGEMENT**					
Curricular Unit (UC)	**Logistics Management**			Mandatory	**X**	
				Optional		
Scientific Area:	Engineering and industrial management					
Year: **1º**	Semester: **1º**	ECTS: **6,5**		Total Hours: **4,5**		
Contact Hours:	T:	TP:**67,5**	PL:	S:	OT:	TT:
Professor in charge		Academic Degree /Title		Position		
António Feliciano Abreu		**Master**		**Assistant Professor**		

T- Theoretical ; TP – Theory and practice ; PL – Laboratory ; S – Seminar ; OT –Tutorial ; TT – Total of contact hours

Entry into Force	Semester: **Winter**	Academic Year: **2016/2017**

Objectives of the curricular unit and competences (max. 1000 characters)

1 - Assume Logistics as an integrated and global system
2 - Understand the most relevant relationships involved in add value to customers.
3 - Understand the significance of Supply Chain Management
4 - Evaluate de most important logistical variable: Time, Space, Cost and Quality
5 - The students must acquire know-how and knowledge about inventory, warehousing transportation management and other logistical competencies
6 - The students must acquire know-how and knowledge about economic and logistics trade-off evaluation

Syllabus (max. 1000 characters)

1 - Logistics concepts and terminology
2- Value-added role of logistics
3 – Logistic activities
4 - Warehouse management.
5 - Transportation management
6 - Information Technology 7-Logistics performance evaluation

Demonstration of the syllabus coherence with curricular unit's objectives (max. 1000 characters)

1. Chapters : Logistics concepts and terminology and Value-added role of logistics
2. Understand the most relevant relationships involved in add value to customers Chapters: Value-added role of logistics
3. Understand the significance of Supply Chain Management Chapters: All Chapters
4. To evaluate de most important logistical variable: Time, Space, Cost and Quality Chapters: All chapters

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5. Acquire know-how and knowledge about inventory, warehousing transportation management and other logistical competencies Chapters. All chapters 6. Acquire know-how and knowledge about economic and logistics trade-off evaluation Chapters: Information Tecnology and Logisitcs performance evaluation

Teaching methodologies (including evaluation) (max. 1000 characters)
1. Continuous Assessment Completion of two papers, one individual (NI) weighing 0.3 and another group (preferably three elements), also weighing 0.3 complemented with the development during the course of half a term test (NT) with weight 0.4. NF = NT + 0.4 x 0.3 x 0.3 + NI NG 2. Final Exam Include in addition to the written examination (NE), also weighing 0.4, the two studies, individual and group, both of the mandatory. NF = 0.4 x 0.3 x NE + NI + 0.3 NG 3. Teaching Methodology In order to understand the content versed, it is still desirable in accordance with the conduct of teaching, are alternating periods of exposure, resolution illustrative of problems, practical exercises and computer simulations with periods of work itself students will take place without direct contact with the professor.

Demonstration of the teaching methodologies coherence with the curricular unit's objectives (max. 3000 characters)
1. Continuous Assessment (Homeworks) a. To use the knowledge gained as a basis for development of original applications, possibly in the context of research and in the context of innovation and entrepreneurship. b. Learning in a self-guided or independent, lifelong, integrated value chains and global competitive. 2. Test Making effective engineering in the context of efficient production and high competitiveness.

Main Bibliography (max. 1000 characters)
DIAS, JCQ, 2005, Logística Global e Macrologística,Edições Sílabo CARVALHO, Crespo, J. M., 1966, Logística, Edições Sílabo, 2002. CARVALHO, Crespo, J.,.M., e BRILHANTE, Dias, E., 2000, e-logistics & e-business, Lisboa, Edições Sílabo. CHRISTOPHER, Martin, 1992, Logistics and Supply Chain Management, Second Edition, Financial Times, Prentice Hall, 1998. DORNIER, P. P., com ERNEST, R., e FENDER, M., e KOUVELIS, P., 1988, Global Operations and Logistics -Text and Cases, John Wiley & Sons, Inc. LAMBERT, Douglas M., STOCK, James R. 1993 Strategic Logistics Management IRWIN-McGraw Hill BOWERSOX, D., J., e CLOSS D.J., 1996, Logistical Management; the Integrated Supply Chain Process, Mc Graw-Hill, International Edition. Meios informáticos utilizados: A Web of Science (ISI) será a base de dados privilegiada de trabalho, investigação e pesquisa