SYLLABUS [1]

THIS COURSE UNIT IS TAUGHT IN ROMANIAN LANGUAGE

1. Information about the program

1.1 Higher education institution	Universitatea POLITEHNICA Timisoara
1.2 Faculty[2]/ Department [3]	Management in Productie si Transporturi / Management
1.3 Chair	—
1.4 Field of study (name/code[4])	Inginerie si Management / 230
1.5 Study cycle	Bachelor's Degree
1.6 Study program (name/code/qualification)	Engineering and Management / 10 / Engineer

2. Information about the discipline

2.1 Name of discipline/ formative category[5]	Logistics						
2.2 Coordinator (holder) of course activities	S.l.dr.ing. Attila Turi						
2.3 Coordinator (holder) of applied activities[6]	S.l.dr.ing. Attila Turi						
2.4 Year of study[7]	III	**2.5** Semester	1	**2.6** Type of evaluation	Exam	**2.7** Type of discipline[8]	DI

3. Total estimated time – hours / semester: direct teaching activities (fully assisted or partly assisted) and individual training activities (unassisted) [9]

3.1 Number of fully assisted hours / week	4 of which:	**3.2** course	2	**3.3** seminar / laboratory / project	2
3.1* Total number of fully assisted hours / semester	56 of which:	**3.2*** course	28	**3.3*** seminar / laboratory / project	28
3.4 Number of hours partially assisted / week	of which:	**3.5** training		**3.6** hours for diploma project elaboration	
3.4* Total number of hours partially assisted / semester	of which:	**3.5*** training		**3.6*** hours for diploma project elaboration	
3.7 Number of hours of unassisted activities / week	5 of which:	additional documentary hours in the library, on the specialized electronic platforms and on the field			1
		hours of individual study after manual, course support, bibliography and notes			1
		training seminars / laboratories, homework and papers, portfolios and essays			3
3.7* Number of hours of unassisted activities / semester	70 of which:	additional documentary hours in the library, on the specialized electronic platforms and on the field			14
		hours of individual study after manual, course support, bibliography and notes			14
		training seminars / laboratories, homework and papers, portfolios and essays			42
3.8 Total hours / week [10]	5				
3.8* Total hours /semester	130				
3.9 Number of credits	4				

4. Prerequisites (where applicable)

4.1 Curriculum	• Management fundamentals, Algebra and geometry, Operations research

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[1] The form corresponds to the Discipline File promoted by OMECTS 5703 / 18.12.2011 and to the requirements of the ARACIS Specific Standards valid from 01.10.2017.
[2] The name of the faculty which manages the educational curriculum to which the discipline belongs
[3] The name of the department entrusted with the discipline, and to which the course coordinator/holder belongs.
[4] The code provided in HG no.140 / 16.03.2017 or similar HGs updated annually shall be entered.
[5] Discipline falls under the educational curriculum in one of the following formative disciplines: Basic Discipline (DF), Domain Discipline (DD), Specialist Discipline (DS) or Complementary Discipline (DC).
[6] Application activities refer to: seminar (S) / laboratory (L) / project (P) / practice/training (Pr).
[7] Year of studies in which the discipline is provided in the curriculum.
[8] Discipline may have one of the following regimes: imposed discipline (DI), optional discipline (DO) or optional discipline (Df).
[9] The number of hours in the headings 3.1 *, 3.2 *, ..., 3.8 * is obtained by multiplying by 14 (weeks) the number of hours in headings 3.1, 3.2, ..., 3.8. The information in sections 3.1, 3.4 and 3.7 is the verification keys used by ARACIS as: (3.1) + (3.4) ≥ 28 hours / wk. and (3.8) ≤ 40 hours / wk.
[10] The total number of hours / week is obtained by summing up the number of hours in points 3.1, 3.4 and 3.7.

4.2 Competencies	•

5. **Conditions** (where applicable)

5.1 of the course	•
5.2 to conduct practical activities	•

6. **Specific competencies** acquired through this discipline

Specific competencies	•
Professional competencies ascribed to the specific competencies	• (C2– 1 credit) - Elaboration and interpretation of technical, economic and managerial documentation. • • C4 -1.6 credits - Economic evaluation, planning and management of processes and logistics and production systems • • C5-0.4 credits - Management of the organization's resources, quality assurance of production and management of organizational development • • C6 - 1 credit - Technical and economic design and improvement of industrial products and processes
Transversal competencies ascribed to the specific competencies	•

7. **Objectives of the discipline** (based on the grid of specific competencies acquired - pct.6)

7.1 The general objective of the discipline	• The general objective of the discipline is to develop / cultivate students professional competencies (knowledge and skills, as well as a behavior determined by new values and attitudes imposed by the specifics of logistics) in the fields of logistics systems design and efficient management of organization resources.
7.2 Specific objectives	• Development of skills to manage concrete situations in the processes of supply, distribution and inventory management

8. **Content** [11]

8.1 Course	Number of hours	Teaching methods [12]
GENERAL NOTIONS ABOUT LOGISTICS. Defining the logistics of logistics systems, specific logistics activities, classifications, types of distribution channels, component links of a distribution channel, types of traders and their role in logistics chains	6	Presentation, lecture, explanation, modeling accompanied by visual and auditory technical means (laptop, video projector, application station with microphones and speakers for exposing the slides containing
SUPPLY SYSTEMS; Logical scheme of the supply process, stages of the supply process, ABC method, supply cases taking into account the quantity and frequency of supply	4	
STORAGE SYSTEMS; Types of warehouses, warehouse design, packaging and wrapping of goods, palletizing of goods handling equipment and internal transport	6	

[11] It details all the didactic activities foreseen in the curriculum (lectures and seminar themes, the list of laboratory works, the content of the stages of project preparation, the theme of each practice stage). The titles of the laboratory work carried out on the stands shall be accompanied by the notation "(*)".
[12] Presentation of the teaching methods will include the use of new technologies (e-mail, personalized web page, electronic resources etc.).

THE JUST IN TIME SYSTEM; system definition, features, component, advantages, use, etc.	2	the notions, information and knowledge structured on each course chapter, as well as some documentary films -demonstrative for the part of handling, packaging, palletizing). Also, the students have at their disposal, in the university library, the printed course support that they go through during the classes, taking over through notes the additional explanatory elements or the novelty ones introduced by the teacher. The forms of organizing the educational process are: Frontal activities, which include: the course, partially the project activity (in case of explanations); Guided group activities that include: consultations, carried out jointly by the students (organization in pairs) and the teacher; Individual activities include individual study (in order to prepare the evaluation), study in the library, additional reading and completion (at the suggestion of the teacher; existing degrees in the university library).
TRANSPORT SYSTEMS; Types of transports, classifications, road, rail, sea, river, air transport, pipeline transport, containerized transport systems	4	
AUTOMATIC DATA IDENTIFICATION SYSTEMS; Operation of these systems in logistics chains, types of systems used, barcode systems, radio systems, etc.	2	
ECONOMIC EFFICIENCY AND OPTIMUM DESIGN OF LOGISTICS SYSTEMS; economic indicators used, methods to improve efficiency	4	

Bibliography [13] Mocan M., Proiectarea optimala a sistemelor logistice, ISBN 973-9441-55-6, Editura Eurobit, Timisoara, 2001
Mocan M. s.a. Viziune moderna asupra elementelor de management, comunicare si logistica in organizatii ISBN , 978-973-602-401-6, Editura Brumar, Timisoara, 2008
Hugo W., Badenhorst – Weiss J., Van Biljon E. – Supply Chain Management. Logistics in perspective, ISBN 978-0-627-02504-4, Van Schaik Publishers, Pretoria, 2006.
Hugo W., Badenhorst – Weiss J., Van Biljon E. – Purchasing &Supply Chain Management, ISBN 0-627-02596, Van Schaik Publishers, Pretoria, 2006

8.2 Applied activities [14]	Number of hours	Teaching methods
Project: Project for a group of maximum 3 students who will design a logistics system used to supply the Dacia car factory in Mioveni with needed components to support the manufacturing process	24	The project statement is different for each group, with specific data. During the semester, some more difficult parts of the project are presented and the more complex questions are discussed and clarified. Grading will be done with at least 1
Project presentation and feedback offered to students	4	

[13] At least one title must belong to the discipline team and at least one title should refer to a reference work for discipline, national and international circulation, existing in the UPT library.
[14] Types of application activities are those specified in footnote 5. If the discipline contains several types of applicative activities then they are sequentially in the lines of the table below. The type of activity will be in a distinct line as: "Seminar:", "Laboratory:", "Project:" and / or "Practice/training".

		intermediate grade to encourage students to work continuously.

Bibliography [15] Mocan M., Proiectarea optimala a sistemelor logistice, ISBN 973-9441-55-6, Editura Eurobit, Timisoara, 2001
Mocan M. s.a. Viziune moderna asupra elementelor de management, comunicare si logistica in organizatii ISBN , 978-973-602-401-6, Editura Brumar, Timisoara, 2008
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9. Corroboration of the content of the discipline with the expectations of the main representatives of the epistemic community, professional associations and employers in the field afferent to the program

- The approached topic corroborates with the expectations of the employers regarding the implementation of the modern concepts of efficiency of the companies. The last adjustments of the project theme were made after discussions with the employers so that at the technological practice from the summer of the 3rd year the students have the necessary knowledge to work in a production company.

10. Evaluation

Type of activity	**10.1** Evaluation criteria [16]	**10.2** Evaluation methods	**10.3** Share of the final grade
10.4 Course		Exam: written, 2 theoretical parts, 1 exercise	2/3
10.5 Applied activities	**S:**		
	L:		
	P[17]**:**	Project: handed in, presented and 10 random questions	1/3
	Pr:		
10.6 Minimum performance standard (minimum amount of knowledge necessary to pass the discipline and the way in which this knowledge is verified [18])			
• Minimum standards agreed upon and communicated at the beginning of the first lecture and project session, in accordance with university policy			

Date of completion 10.12.2020	**Course coordinator (signature)** ……..……	**Coordinator of applied activities (signature)** ……..……
Head of Department (signature) ……..……	**Date of approval in the Faculty Council** [19]	**Dean (signature)** ……..……

[15] At least one title must belong to the discipline team.
[16] Syllabus must contain the procedure for assessing the discipline, specifying the criteria, methods and forms of assessment, as well as specifying the weightings assigned to them in the final grade. The evaluation criteria shall be formulated separately for each activity foreseen in the curriculum (course, seminar, laboratory, project). They will also refer to the forms of verification (homework, papers, etc.)
[17] In the case where the project is not a distinct discipline, this section also specifies how the outcome of the project evaluation makes the admission of the student conditional on the final assessment within the discipline.
[18] It will not explain how the promotion mark is awarded.
[19] The endorsement is preceded by the discussion of the board's view of the study program on the discipline record.