POLITEHNICA University of Bucharest (**UPB**)
Faculty of Engineering and Management of Technological Systems (**IMST**)
Study Programme: Industrial Engineering (**IE**)
Form of study: Licence (Bachelor)

COURSE SPECIFICATION

Course title:	**SUPPLY CHAIN MANAGEMENT**	*Semester:*	6
Course code:	UPB.06.S.06.A.007	*Credits (ECTS):*	4

Course structure	Lecture	Seminar	Laboratory	Project	Total hours
Number of hours per week	2			2	4
Number of hours per semester	28			28	56

Lecturer	Lecture	Seminar / Laboratory / Project
Name, academic degree	Prof. Andrei SZUDER	Lect. Paula SPANU
Contact (email, location)	szuder@ctanm.pub.ro CB 203	pauspa16@yahoo.com

Course description:
The course focuses on management and improvement of supply chain processes and performance. It will be valuable for students who would like to pursue a career in consulting or take a position in operations, marketing or finance functions in a manufacturing or distribution firm. Are presented important supply chain metrics, primary tradeoffs in making supply chain decisions, and basic tools for effective and efficient supply chain management.   - Understanding fundamental concept of Supply Chain Management (SCM)   - Presenting and understanding the methods and specific techniques for solving practical problems of SCM   - Correlation of fundamental concepts with specific mathematical methods of this domain   - Developing abilities for critical analysis of possible solutions and choosing the optimal one   - Understanding the trends of development for SCM   - Understanding the role of SCM in a modern enterprise   - Using specific SCM vocabulary   - Utilization of specific tools utilization for the optimization of the processes in SCM   - Choice of the best logistics locations in SCM

Seminar / Laboratory / Project description:
Students will work in teams. Each team is required to: - Defining students teams and subjects for a new SCM project   - SCM Chart Flow   - Planning activities for a SCM project   - Resources planning for a SCM project   - Optimization of planning for a SCM project   - Tracking and controlling a SCM project   - Process in SCM Projects   - Modeling and Analyzing Processes in SCM Projects

- Processes optimization in SCM Projects
- Supply Chain Demand Forecasting
- Forecasting Techniques in SCM Projects
- Supply Techniques
- Final presentation and analysis of SCM laboratory works results

Intended learning outcomes:

- The association of knowledge, principles and methods of the technical sciences in the field with graphical representations for solving specific tasks.
- Use of the software and of the informational technology to solve specific tasks in industrial engineering field.
- The design and management of the production processes.
- Planning, controlling and quality assurance of the processes and production systems.

Assessment method:	% of the final grade	Minimal requirements for award of credits
Written exam	20%	
Report / project	40%	
Homework	40%	
Laboratory		
Other		

References:

1. Szuder; B. Abaza-Supply Chain management Course. UPB e-learning platform.2016
2. L. Krajewski, L. Ritzman. Operations Management. Pearsons. 2008
3. Chase – Aquilano. Production Operations Management. Irwin. 2008

Prerequisites:	Co-requisites (courses to be taken in parallel as a condition for enrolment):
No	No

Additional relevant information:

Date: 05.07.2016
Prof.Andrei SZUDER Ph.D