



Spring semester, 2017
State University of Management,
Russian Federation, Moscow

LOGISTICS & SUPPLY CHAIN MANAGEMENT

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Course description	<i>Physical supply, in-plant movement and storage, physical distribution that comprise logistics systems in industry. Topics include logistics services, facility location, transportation, inventory management and procurement, warehousing and storage, logistics information systems. Features of doing business in Russia. Goals: the ability to identify logistical problems and create better business solutions using logistics methodologies.</i>
Prerequisites and co-requisites	<i>Willingness to work, think and challenge your knowledge bank. It is imperative that the student has taken Mathematics and Operations Management before this course. Economics and Marketing also can help. Advice for student that lack of these skills: get outside help; study supplementary material which will provide by teacher.</i>
Course learning outcomes	<i>Create supply chain with optimal costs on the whole way of material flow movement, create better business solutions using logistics methodologies, explore specific of Russian logistics systems.</i>
Materials	<i>Supply Chain Logistics Management, Donald J. Bowersox, David J. Closs, M. Bixby Cooper, 4th edition, 2012.</i> <i>Strategic logistics management / Douglas M. Lambert, James R. Stock. – 4th ed, 2005.</i> <i>Additional reading packet of articles – Handouts, Vocabulary.</i> <i>Other course materials including PowerPoint slides, cases, outside readings and assignments will be made available in class.</i> <i>Binder – Solved homework assignments.</i>

Course organization

Course format

The teaching method will be a combination of seminar-type lectures and discussions, case work and individual research. The lecture will cover the assigned topic, but will not necessarily cover the material as presented in the text. Lectures, class discussions and in-class exercises are not designed to reiterate the textbook, articles and/or other handout materials. You are expected to read the assigned material and work the assigned problems before class and be prepared to discuss them in class. Students will be called upon by name to discuss assigned topics and concepts. Students are also expected to participate in on-line discussion, team exercises and case studies. I will expect you to ask questions or answer mine during this discussion. We will work problems of a type similar to those you will be asked to solve on the exams. I will try to intersperse some personal experiences into each class.

There is no lab associated with this course. I will be available during office hours and by appointment to assist you. Please come by to discuss the concepts that are causing you difficulty. However, I will want to see your homework binder. I am willing to work as hard assisting you as you are willing to help yourself. Please, don't wait until after a disappointing exam or assignment to ask for assistance.

Tentative Class Schedule*

Lesson	Topics	Preparation	Tests, projects, assignments
1	1. <i>Introduction to Logistics</i> 1.1 <i>Role of Logistics</i> 1.2 <i>Definition of Logistics</i> 1.3 <i>Components of Logistics Management</i> 1.4 <i>Kind of flow in Logistics</i> 1.5 <i>7 Rules of Logistics</i>	Vocabulary (Topic 1)	on-line discussion about Topic 1
2	1.6 <i>Objects and subjects of Logistics</i> 1.7 <i>Logistics system, logistics functions, procedures and operations</i> 1.8 <i>The main logistical concepts and examples of their implementation in practice</i>	Vocabulary (Topic 1), Articles about logistics company and the main logistics concepts	Assignment in class: <u>Written exercise 1.</u> <i>Material requirements Planning (MRP I)</i> <u>Homework: Topic 1</u> <u>The main logistics concepts</u>
3	2. <i>Procurement (Supply logistics)</i> 2.1 <i>Procurement classification</i> 2.2 <i>The main procedures of Supply logistics</i> 2.2.1 <i>Material requirements definition: types of needs, methods of material requirement definition; dilemma "Make or Buy"</i> 2.2.2 <i>Supplier selection: choice of supplier qualification; number of suppliers; monitoring</i> 2.2.3 <i>Preparation and placing of order</i> 2.2.4 <i>Receiving and checking of delivery</i> 2.3 <i>Organization of logistics management</i>	Vocabulary (Topic 2)	on-line discussion about Topic 2
4	3. <i>Production logistics</i> 3.1 <i>Production cycle</i> 3.2 <i>Organization principles of production process</i> 3.3 <i>Types of material resources motion in the production process</i> 3.4 <i>Material resource planning (MRPI, MRPII)</i>	Vocabulary (Topic 3), Handouts	Assignment in class: <u>Written exercise 2.</u> "The sandwich's task" – graphing material resource motion
5	4. <i>Distribution logistics</i> 4.1 <i>Current status and development of distribution processes in world and Russian economy</i> 4.2 <i>Relationship and distinction of competences marketing and distribution logistics</i> 4.3 <i>Distribution channels: concept, main characteristics and types</i> 4.4 <i>Types of intermediaries</i> 4.5 <i>Selection criteria and indicators for assessing the intermediaries</i>	Vocabulary (Topic 4)	<u>Written exercise 3.</u> Determining of distribution center location
6	<i>Negotiation (team work). Choice of Supplier</i>	Vocabulary (Topic 1, 2)	Assignment in class: Negotiation (team work).

7	5. <i>Inventory management</i> 5.1 <i>Concept and types of stocks</i> 5.2 <i>Inventory costs and costs associated with the occurrence of deficiency</i> 5.3 <i>Modeling of inventory management processes:</i> <i>Wilson's formula (EOQ), fixed size order, fixed interval between orders</i> 5.4 <i>Methodology of inventory planning: ABC and XYZ analysis, design procedure for logistic system of inventory management</i>	Vocabulary (Topic 5)	Assignment in class: <u>Written exercise 4.</u> ABC-XYZ analysis
8		Vocabulary (Topic 5), Handouts	on-line discussion about Topic 5 Assignment in class: <u>Written exercise 5.</u> Modeling of inventory management processes
9	6. <i>Transport management in supply and distribution</i> 6.1 <i>Modes of transport</i> 6.2 <i>Types of goods</i> 6.3 <i>Planning and arranging transport</i> 6.4 <i>Freight rates, quotations</i> 6.5 <i>Risks and terms</i> 6.6 <i>Multimodal and intermodal transportation, forwarding</i>	Vocabulary (Topic 6), Incoterms, Handouts	on-line discussion about Topic 6 Assignment in class: Transport documentations
10	7. <i>Warehouse management</i> 7.1 <i>Use of warehousing in physical supply and distribution</i> 7.2 <i>Types of warehouses, public and private warehousing</i> 7.3 <i>Basic warehouse functions</i> 7.4 <i>Organization operations of warehouse</i> 7.5 <i>Handling equipment</i>	Vocabulary (Topic 7)	on-line discussion about Topic 7
11	8. <i>Information technologies and systems in logistics</i> 8.1 <i>Software in logistics: WMS-, YMS-, TMS-systems</i> 8.2 <i>Information and communication technologies in logistics: electronic document interchange system(EDI), GPS, bar-coding and scanning technologies, Radio Frequency Identification (RFID)</i> 8.3 <i>Internet-technologies</i>	Vocabulary (Topic 8), logistics acronyms, Articles	<u>Homework: Projects</u>
12	<i>Presentation of semester projects</i>	<i>Creating presentation</i>	<i>Project presentation on the selected logistics topic</i>
13	<i>Final examination</i>	<i>All topics, handouts, quizzes, exercises, homework assignments</i>	<i>Final test</i>

*Note: this table shows only the "tentative" schedule. The schedule may be the subject for change.

Evaluation and grading policy

Type of work	Percentage
Classroom Participation	10%
Assignment in class	40%
Homework	10%
Semester Project	20%
Final Examination	20%

Classroom Participation

Students are expected to participate in on-line discussion, team exercises and case studies.

Class contribution accounts for 10% of your final grade. This will be based on attendance, preparation for class, frequency and quality of participation, class input, organization, and conciseness. Class contribution consists of in-class discussion, class and team discussion of cases and in-class presentations. If you do not actively and routinely participate, you will receive zero points for class contribution.

In-class Assignment

All assignments are to be individual work with no discussion or collaboration with others permitted (except where team effort is required and as such specified). I am willing to assist you if you have some problems.

Homework

You are expected to have homework completed before the class period and be prepared to present your solution in class. Plagiarism and copying others' work is prohibited.

Semester Project

Each student will prepare Semester project. The choice of company and product is the student's responsibility. However theme should be approved by teacher. Student's project presentation on the selected logistics topic should be created by PowerPoint or other presentation software. You are should be prepared to present your solution in class on Week 13.

Final Examination

The examinations will contain problem exercises, questions involving concepts and terminology, and questions requiring analysis and decision-making. You should expect any type of question format except true/false.

The exam may not be taken early and is considered missed if the student arrives after the first student completes the exam and leaves the classroom. A more difficult makeup exam will be prepared for those who miss the exam. Electronic calculators may be used during exams. The exam questions will be taken from assigned readings and lecture material. Cheating is an unpleasant subject. I expect students to have done the work themselves that they turn in.

Grade*	Numeric range
5	85-100%
4	60-84%
3	40-59%
2	<40%

* Grade system of State University of Management, Moscow, Russia:

5 – excellent, 4 – good, 3 – average, 2 – below average (not enough to pass the test).

Course policies and expectations

Expectations on classroom conduct and decorum

All exams and assignments (except where team effort is required and as such specified) are to be individual work with no discussion or collaboration with others permitted. In-class assignments may be either individual or group work as directed by me. Students are expected to be respect for others, use respectful language. Any incidents of academic misconduct such as cheating, plagiarism, copying others' work, or other inappropriate assistance on examinations, in project or homework will be treated with zero tolerance and will result in a grade of "2" for the course.

Disruptive behavior includes but is not limited to, side conversations between two or more students during lecture, unnecessary comments that add no value to class, and any activities that negatively impact the ability of other students to learn and/or listen in class. Disruptive behavior will not be tolerated. All cellular or digital phones and pagers are to be turned off during class. Students are allowed to bring water in bottle, coffee or tea in carton cup, if it's need.

All students are expected to pursue their scholastic careers with honesty and integrity.

Attendance

Students are required to read and be prepared to discuss the assigned handouts on the scheduled class days.

Class attendance and lateness policies will be discussed during the first week of class. If you know that you will not be able to the next class day, pls contact me. In the event that I am unable to attend class or the University is closed unexpectedly, assume the material will be moved forward to the next meeting.

Course disclaimer

The schedule, policies and assignments contained in this course syllabus are subject to change in the event of extenuating circumstances, class progress, opportunities for guest lecturers or by mutual agreement between the instructor and the students.