

<b>1. Course (module) name</b>	<b>2. Code</b>
Logistics in Aviation	N200AM16BNVM017

<b>3. Lecturer (s)</b>	<b>4. Division(s)</b>
<b>Coordinator:</b> Assoc. Prof. Dr. Aidas Vasilis-Vasiliauskas <b>Other (s):</b>	Business School

<b>5. Cycle of studies</b>	<b>6. Course (module) level</b>	<b>7. Course (module) type</b>
First	Course is not divided into parts	Mandatory

<b>8. Delivery form</b>	<b>9. Delivery period</b>	<b>10. Delivery language (s)</b>
Full-time	Semester 4	English

<b>11. Requirements for students</b>	
<b>Preliminary requirements:</b>	<b>Associated requirements (if any):</b>
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<b>12. Scope of course (module) in ECTS credits</b>	<b>13. Full workload of a student (hours)</b>	<b>14. Contact work hours</b>	<b>15. Independent work hours</b>
6	160	40	120

<b>16. Course (module) purpose: competences developer by the course programme</b>
To form a system of knowledge related to basics of logistics and key issues in supply chain management as well as awareness of such vital functions of logistics as inventory, warehouse, transportation and information management.

<b>17. Relation of the course targets with the expected results of studies and evaluation methods of studies and student achievement</b>			
<b>Results (targets) of the course</b>	<b>Results of the course</b>	<b>Methods of studies</b>	<b>Evaluation methods of academic achievements</b>
Students have to understand different areas of the aviation industry, to understand the features of their management and to be able to organize and implement managerial processes, to collect and analyze data, to select appropriate methods and tools.	Understanding of basic logistics concepts and theories	Lecture, discussion, case study, analysis of literature	Intermediate exam (test), Homework , Final exam
	Ability to select appropriate methods necessary to find inventory, transportation and warehouse management solutions	Lecture, discussion, case study, analysis of literature	Intermediate exam (test), Homework , Final exam
	Ability to organize self-study and life-long learning process	Lecture, discussion, case study, analysis of literature	Intermediate exam (test), Homework , Final exam

<b>18. Course content</b>									
<b>Topics</b>	<b>Contact work hours and learning method</b>							<b>Time of independent studies and tasks</b>	
	Lectures	Consultations	Seminars	Exercises	Laboratory work	Practice	All contact work	Independent work	Tasks
<b>Concepts and principles of logistics</b>	2		2				<b>4</b>	<b>10</b>	Acknowledgement with basic theories of logistics

<b>Integrated logistics (logistics systems)</b>	4		4				<b>8</b>	<b>20</b>	Acknowledgement with integration of logistics systems and SCM
<b>Customer service and distribution channels</b>	2		4				<b>6</b>	<b>20</b>	Acknowledgement with the role of logistics in creating added value for the customer and physical distribution channels
<b>Inventory management</b>	2		2				<b>4</b>	<b>20</b>	Homework task 1: “Types of inventories, calculation of optimal order quantity”
<b>Warehouse systems</b>	4		2				<b>6</b>	<b>20</b>	Homework task 2: “Centralization and decentralization of inventories; Selection of packaging”
<b>Transportation in logistics (infrastructure and services)</b>	4		4				<b>8</b>	<b>20</b>	Homework task 3: “Selection of transport modes”
<b>Information and communication technologies in logistics</b>	2		2				<b>4</b>	<b>10</b>	Acknowledgement with IT applied in different fields of logistics
<b>Total</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>40</b>	<b>120</b>	

<b>19. Strategy and criteria of student assessment</b>			
<b>Assessment method</b>	<b>Per cent</b>	<b>Delivery time</b>	<b>Evaluation criteria</b>
Intermediate exam	20	After first 3 topics	Test evaluating student’s theoretical knowledge related to concept of logistics, logistics system and customer service
Homework	30	At the end of entire course	Solution of provided case and finalization of continuous task related to selection of inventory management, transportation management and warehouse management decision
Final exam	50	At the end of entire course	Test evaluating student’s theoretical knowledge related to transportation, warehouse, inventory and information management in logistics

<b>20. Sources of study, literature</b>
<b>Mandatory sources of study, literature</b>
1.Rushton A., Croucher P., Baker P. <i>The handbook of logistics and distribution management</i> . UK. Kogan Page Ltd., 2006.
2.Chopra, S. <i>Supply chain management</i> . Paerson. 2010;
<b>Additional sources of study, literature</b>
3.Langley, C. J. <i>Managing supply chains</i> . South-western Cengage Learning. 2008;
4.Button, K. <i>Globalized freight transport</i> . MPG Books, Ltd., 2007;
5.Emmet, S. <i>Logistics freight transport</i> . Cambridge Academic, 2005.
6.Emmet, S. <i>Excellence in warehouse management</i> . John Willey and son, Ltd. 2005.

