TEMPLATE

Course descriptor

<table>
<tr><td>Title of the course</td><td colspan="3">Theoretical basis of logistics and supply chain management</td></tr>
<tr><td>Title of the Academic Programme</td><td colspan="3">‘Strategic supply chain management’ master program</td></tr>
<tr><td>Type of the course[1]</td><td colspan="3">Mandatory</td></tr>
<tr><td>Prerequisites</td><td colspan="3">Logistics</td></tr>
<tr><td>ECTS workload</td><td colspan="3"></td></tr>
<tr><td rowspan="2">Total indicative study hours</td><td>Directed Study</td><td>Self-directed study</td><td>Total</td></tr>
<tr><td>8</td><td>108</td><td>114</td></tr>
<tr><td>Course Overview</td><td colspan="3">The course is designed in order to introduce the students fundamental knowledge of logistics and supply chain management. The main concern is theoretical aspects of logistics. The course is based on the recent and classical researches in the field of logistics.</td></tr>
<tr><td>Intended Learning Outcomes (ILO)[2]</td><td colspan="3">Students will learn the theoretical basis of logistics and supply chain management. Students will be introduced to variety of literature overview in the point of theoretical background of logistics activity and supply chain management.</td></tr>
<tr><td>Indicative Course Content</td><td colspan="3">The aim, objectives, principles and definitions of logistics and supply chain management; analysis of attitudes to the issue;
Practical aspects of logistics, it’s evolution and current trends;
Functional areas of logistics: key tasks and challenges;
Functions of logistics: description and examples
Research methods used in logistics, perspectives and trends
Strategic supply chain management planning and controlling;</td></tr>
<tr><td>Teaching and Learning Methods</td><td colspan="3">Seminars and lectures, on-line study</td></tr>
<tr><td>Indicative Assessment Methods and Strategy</td><td colspan="3">Regular monitoring of self-study: tests for the learned topic via on-line educational platform
Final test and essay;</td></tr>
<tr><td>Readings / Indicative Learning Resources[3]</td><td colspan="3"><u>Mandatory</u>
1. Bowersox, D., Closs, D., Cooper M. (2007) Supply Chain Logistics Management. 2nd: New York: McGraw-Hill
2. Christopher, M. (2011) Logictics and supply chain management. 4th ed. Harlow: Pearson Education Limited</td></tr>
</table>

Notes:

[1] Type of the course - core (mandatory); optional or elective.

[2] Intended Learning Outcomes (ILO) - for the academic programmes which are exposed to international accreditation or other forms of external evaluation, the list of ILO must be complemented with “Mapping of Programme and Course/module learning outcomes”.

[3] Indicative Learning Resources - to be filled either in the Course descriptor or in the Course Syllabus.

3. Chopra, S., Meindl, P. (2013) Supply Chain Management: Strategy, Planning and Operations. 5th ed. Harlow: Pearson Education Limited
4. Leenders, M., Fearon, H. (1997) Purchasing and Supply Management (11th ed.). Chicago, Illinois, USA: Irwin
5. Лукинский В.С. Логистика и управление цепями поставок: учебник и практикум для ака-демического бакалавриата / В.С. Лукинский, В.В. Лукинский, Н.Г. Плетнева. – М.: Издательство Юрайт, 2016. – 359 с.
6. Сергеев В.И. Управление цепями поставок: учебник для бакалавров и магистров / В.И. Сергеев. – М.: Издательство Юрайт, 2014. – 479 с.

Optional

7. Axsäter, S. (2006) Inventory Control, 4th ed., Springer Science + Business Media, New York.
8. Ballou, R. (1999) Business Logistics Management, Prentice-Hall International, Inc., New York.
9. Heizer, J. and Render, B. (2011) Operations Management, 10th ed., Pearson Education Limited, Edinburgh Gate, Harlow, England.
10. Huber, S., Klauenberg, J. and Thaller, C. (2015) 'Consideration of transport logistics hubs in freight transport demand models', Eur. Transp. Res. Rev., Vol. 7, No. 4, p.32, DOI: 10.1007/s12544-015-0181-5.
11. Ivanov, D., Sokolov, B. and Käschel, J. (2011) 'Integrated supply chain planning based on a combined application of operations research and optimal control', Central European Journal of Operations Research, Vol. 19, No. 3, pp.219–317.
12. Jhawar, A., Garg, S. and Khera, S. (2016) 'Modelling and evaluation of investment strategies in human resources for logistics improvement', Int. J. of Simulation and Process Modelling, Vol. 11, No. 1, pp.36–50, DOI: http://dx.doi.org/10.1504/IJSPM.2016.075079.
13. Jonsson, P. (2008) Logistics and Supply Chain Management, McGraw-Hill Companies, Inc., UK. Kabashkin, I. and Lučina, J. (2015) 'Development of the model of decision support for alternative choice in the transportation transit system', Transport and Telecommunication, Vol. 16, No. 1, pp.61–72.
14. Kersten, W. and Blecker, T. (2006) Managing Risks in Supply Chains. How to Build Reliable Collaboration in Logistics, Erich Schmidt Verlag, Berlin.
15. Klimov, R. and Merkuryev, Y. (2008) 'Simulation model for supply chain reliability evaluation', Baltic Journal of Sustainability, Vol. 14, No. 3, pp.300–311, Technological and Economic Development of Economy
16. Аникин Б.А., Тяпухин А.П. Коммерческая логистика: учеб. – М.: ТК Велби, Изд-во Про-спект, 2006. – 432 с.
17. Григорьев М.Н. Логистика. Продвинутый курс: Учебник для магистров / М.Н. Григорьев, А.П. Долгов, С.А. Уваров. – 3-е изд., пер. и доп. - М.: Издательство Юрайт, 2015. – 734 с.
18. Дыбская В.В. и др. Логистика: учебник / В.В. Дыбская, Е.И.

	Зайцев, В.И. Сергеев, А.Н. Стерлигова; под ред. В.И. Сергеева. – М.: Эксмо, 2008. – 944 с. 19. Корпоративная логистика в вопросах и ответах / В.И. Сергеев, Е.В. Будрина и др.; Под ред. В.И.Сергеева. – 2-е изд., перераб. и доп. - М.: НИЦ ИНФРА-М, 2014. – 634 с. 20. Модели и методы теории логистики : учеб. пособие. – 2-е изд. / Под ред. В.С. Лукинского. – СПб.: Питер, 2007. – 448 с.
Course Instructor	Anna V. Strimovskaya