



Module name: International transportation and logistics management

Academic year: 2016/2017 Code: ZIPM-3-003-s ECTS credits: 3

Faculty of: Management

Field of study: Industrial Engineering of Non-Ferrous Metals Specialty: —

Study level: Third-cycle studies Form and type of study: Full-time studies

Lecture language: English Profile of education: Academic (A) Semester: 0

Course homepage: <https://upel.agh.edu.pl/wz/login/index.php>

Responsible teacher: dr hab. inż. Karkula Marek (mkarkula@zarz.agh.edu.pl)

Academic teachers: dr hab. inż. Karkula Marek (mkarkula@zarz.agh.edu.pl)

Description of learning outcomes for module

MLO code	Student after module completion has the knowledge/ knows how to/is able to	Connections with FLO	Method of learning outcomes verification (form of completion)
Social competence			
M_K001	Student is able to formulate objectives undertaken in the context of international logistics and transportation considering environmental and social goals.	IPM3A_U02	Activity during classes
M_K002	Student has an ability of collaboration in a team for formulating and solving problems/tasks in the field of international logistics and transportation.	IPM3A_K01, IPM3A_K03	Activity during classes
Skills			
M_U001	Student is able to select and use the appropriate tools and research methods used in planning, organizing and streamlining processes of international transportation, logistics and/or distribution.	IPM3A_U02	Presentation, Report, Case study
M_U002	Student is able to analyze and interpret basic indicators of assessment of international logistics and transportation processes.	IPM3A_U01	Activity during classes, Presentation, Report, Case study
Knowledge			
M_W001	Student knows the importance of supply chain and logistics in international business operations.	IPM3A_W01	Activity during classes, Examination, Presentation, Case study

M_W002	Student has a basic knowledge on information systems and technologies for transportation and logistics operations planning and management.	IPM3A_W01	Activity during classes, Examination, Presentation, Case study
M_W003	Student has a basic knowledge on international logistics and transportation systems and processes.	IPM3A_W02	Activity during classes, Examination, Presentation, Case study

FLO matrix in relation to forms of classes

MLO code	Student after module completion has the knowledge/ knows how to/is able to	Form of classes										
		Lectures	Auditorium classes	Laboratory classes	Project classes	Conversation seminar	Seminar classes	Practical classes	Fieldwork classes	Workshops	Others	E-learning
Social competence												
M_K001	Student is able to formulate objectives undertaken in the context of international logistics and transportation considering environmental and social goals.	-	-	-	-	+	-	-	-	-	-	-
M_K002	Student has an ability of collaboration in a team for formulating and solving problems/tasks in the field of international logistics and transportation.	-	-	-	-	+	-	-	-	-	-	-
Skills												
M_U001	Student is able to select and use the appropriate tools and research methods used in planning, organizing and streamlining processes of international transportation, logistics and/or distribution.	-	-	-	-	+	-	-	-	-	-	-
M_U002	Student is able to analyze and interpret basic indicators of assessment of international logistics and transportation processes.	-	-	-	-	+	-	-	-	-	-	-
Knowledge												
M_W001	Student knows the importance of supply chain and logistics in international business operations.	-	-	-	-	+	-	-	-	-	-	-

M_W002	Student has a basic knowledge on information systems and technologies for transportation and logistics operations planning and management.	-	-	-	-	+	-	-	-	-	-	-
M_W003	Student has a basic knowledge on international logistics and transportation systems and processes.	-	-	-	-	+	-	-	-	-	-	-

Module content

Conversation seminar

Introduction to supply chain management, logistics and transportation in international business operations

Characteristics of the different modes of transportation – international issues

The globality of the transportation modes: inter-modality, multimodality and co-modality

Freight forwarding and freight forwarders

Import/Export Operations

Planning and scheduling of the operations in international logistics/transportation processes

Information systems and information technologies for transportation/logistics/supply chain management

Risk and security issues in international logistics and transportation systems/processes

Method of calculating the final grade

1. Class participation 10%
2. Preparing assignments, presentation results 50%
3. Final exam 40%

Prerequisites and additional requirements

Knowledge of English on communicative level.

Basic knowledge in the field of logistics management.

Recommended literature and teaching resources

1. Bookbinder, J.H. (Ed.), Handbook of Global Logistics: Transportation in International Supply Chains, Springer, 2012
2. Jaffeux C., Wieser P., Essentials of Logistics and Management. Global Supply Chain, Third Edition, EPFL Press, 2012
3. Long D., International Logistics: Global Supply Chain Management, Springer, 2003
4. Schorpp, S., Dynamic Fleet Management for International Truck Transportation, Gabler Verlag, Wiesbaden, 2011
5. Seiler T., Operative Transportation Planning, Contributions to Management Science, Springer-Verlag, Berlin Heidelberg, 2012
6. Skjøtt-Larsen, T., Managing the Global Supply Chain, Copenhagen Business School, 2007
7. Waters, C.D.J., Global Logistics: New Directions in Supply Chain Management, Kogan Page Limited, 2007
8. International Journal of Physical Distribution & Logistics Management,

<http://www.emeraldinsight.com/loi/ijpdlm>

9. The International Journal of Logistics Management, <http://www.emeraldinsight.com/loi/ijlm>

Scientific publications of module course instructors related to the topic of the module

1. Bukowski L., Karkula M. (i inni): „Zarządzanie systemami logistycznymi”, Wydawnictwa AGH, Kraków 2014
2. Feliks J., Karkula M. (red.): „Wybrane zagadnienia logistyki stosowanej”, T. 2, Wydawnictwa AGH, Kraków 2013
3. Karkula M., Szymanowska A.: „Usprawnianie procesów transportowych z wykorzystaniem usług sieciowych na przykładzie przedsiębiorstwa komunalnego”, Logistyka nr 2, 2010
4. Karkula M.: „Modelowanie i zarządzanie procesami w przedsiębiorstwie transportowym”, Transport z. 97 Środki i infrastruktura transportu, 2013, s. 245-257
5. Karkula M.: „Selected aspects of simulation modelling of internal transport processes performed at logistics facilities”, Archives of Transport 30(2), 2014, pp. 43-56

Additional information

None

Student workload (ECTS credits balance)

Student activity form	Student workload
Participation in conversation seminars	14 h
Realization of independently performed tasks	20 h
Preparation of a report, presentation, written work, etc.	25 h
Preparation for classes	15 h
Examination or Final test	1 h
Summary student workload	75 h
Module ECTS credits	3 ECTS