

Opasraportti

TaTK - Logistics 2006-2007 (2006 - 2007)

This is the study guide of Faculty of Economics and Business Administration, containing information about courses offered in the area of Logistics. The information is valid for the academic year 2006-2007.

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

721755A: , 5 op
 721007P: Additional Courses in Logistics, Basic Level, 0 op
 721007A: Additional Courses in Logistics, Intermediate Level, 0 op
 721704P: Business Logistics, 5 op
 721175A: Business Simulation, 5 op
 721424P: Business to Business Marketing, 5 op
 721721A: International Logistics and Distribution, 5 op
 721703P: Introduction to Materials Management, 5 op
 721759S: Logistics Modelling and Applications, 6 op
 721724A: Logistics System Analysis, 5 op
 721172P: Management Accounting, 5 op
 721750S: Master's Thesis, Logistics, 30 op
 721414S: Purchasing and Supply Network Management, 6 op
 721720A: Seminar in Logistics, 10 op
 721754S: Special Issues in Logistics, 6 op
 721183A: Strategic Management, 5 op
 721464S: Strategic Marketing and Management, 6 op
 721675S: Supply Chain Management, 6 op
 721753S: Transport Economics and Policy, 6 op
 721722A: Transport Law, 5 op
 721752P: Transport and Forwarding Operations, 5 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

721755A: , 5 op

Voimassaolo: - 31.07.2010

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Pekkarinen, Saara Marketta

Opintokohteen kielet: Finnish

ECTS Credits:

5 credits

Timing:

Period B

Contents:

Students will be introduced to the economics of transportation (freight and passenger). The topics include transport supply and demand, market structures and competition, pricing, and productivity (cost analysis) issues. The description of and the changes in the business environment of the transportation industry (macro-, micro) are also discussed.

Learning activities and teaching methods:

Lectures 18 h and 6 h problem-based learning (PBL) in groups (participation required). Literature exam and PBL report.

Recommended or required reading:

McCarthy, Patrick (2001): Transportation economics: theory and practice: a case approach. Malden, MA: Blackwell Publ

Assessment methods and criteria:

Literature exam and PBL report.

Person responsible:

Saara Pekkarinen

721007P: Additional Courses in Logistics, Basic Level, 0 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

721007A: Additional Courses in Logistics, Intermediate Level, 0 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

721704P: Business Logistics, 5 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Jari Juga

Opintokohteen kielet: English

Leikkaavuudet:

ay721704P Business Logistics (OPEN UNI) 5.0 op

721704A Business Logistics 5.0 op

ECTS Credits:

5 credits

Timing:

Period A

Contents:

The course gives an overview of the company's logistics activities and its role as a company's competitive factor. Topics include logistics service level, total cost analysis, transport and inventory decisions, logistics performance measurement, just-in-time logistics, ordering and replenishments, and green logistics. The development of the logistics discipline and current logistics issues will also be discussed, with supplementary company presentations.

Learning activities and teaching methods:

Lectures 30 h and written case-assignment. Exam.

Recommended or required reading:

Bloomberg, D.J. & LeMay, S. & Hanna, J.B. (2002), Logistics, Prentice-Hall: Upper-Saddle River. Ballou, R.H. (2004), Business logistics/ Supply chain management: planning, organizing and controlling the supply chain, Prentice-Hall: Upper-Saddle River /selected parts).

Assessment methods and criteria:

Exam.

Person responsible:

Professor Jari Juga.

721175A: Business Simulation, 5 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Tuppurainen, Risto Kalevi

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Semester: -

Contents:

The significance of different aspects of business studies in managing profitable organization

Learning activities and teaching methods:

Business simulation game and practice work.

Recommended or required reading:

R. Preston McAfee: Competitive Solutions – The Strategist's Toolkit. Princeton University Press, 2002.

Assessment methods and criteria:

The students play the business simulation game and analyse the result. A report of the simulation is also required.

Person responsible:

N.N.

721424P: Business to Business Marketing, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Satu Nätti

Opintokohteen kielet: English

Leikkaavuudet:

ay721424P Business to Business Marketing (OPEN UNI) 5.0 op

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Period D

Contents:

Characteristics of business markets. Understanding organisational buying behaviour and current trends in business-to-business markets. Interactions and networks in industrial markets. Assessing marketing opportunities and strategies in business-to-business markets. Distribution in industrial context.

Learning activities and teaching methods:

26 h lectures and case studies.

Recommended or required reading:

Anderson, J.C. & Narus J.A.: Business Market Management. Understanding, Creating, and Delivering Value. 2nd edition, 2004.

Assessment methods and criteria:

A literature examination.

Person responsible:

Senior Lecturer in Marketing Satu Nätti, D.Sc.

721721A: International Logistics and Distribution, 5 op

Voimassaolo: - 31.07.2010

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Jari Juga

Opintokohteen kielet: Finnish

ECTS Credits:

5 credits

Timing:

Period C

Contents:

The course gives an overview of issues in logistics and distribution management in an international business context. A special emphasis will be given to the analysis of international logistics environment and the question of coordination and responsiveness requirements in international production, procurement and distribution. Institutional aspects of international trade will also be addressed.

Learning activities and teaching methods:

Lectures 24 h and assignment

Recommended or required reading:

P.B. Schary & T. Skjøtt-Larsen (2001), Managing the Global Supply Chain, Copenhagen Business School Press: Copenhagen. Supplementary readings according to separate instruction.

Assessment methods and criteria:

Exam.

Person responsible:

Professor Jari Juga.

721703P: Introduction to Materials Management, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Kilpala, Heli Katariina

Opintokohteen kielet: Finnish

ECTS Credits:

5 credits

Timing:

Period B

Contents:

The basic concepts of production and logistics will be presented. Simple calculation methods in materials control will also be examined.

Learning activities and teaching methods:

24 hours of lectures and independent studying of textbooks.

Recommended or required reading:

Arnold, T.J.R & Chap-man, S.N.: Introduction to materials management, Prentice- Hall Inc. 2001, Upper-Saddle River, NJ.

Assessment methods and criteria:

Lectures and literature exam.

Person responsible:

Heli Kilpala, Ph.D.

721759S: Logistics Modelling and Applications, 6 op

Voimassaolo: - 31.07.2010

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

6 credits

Timing:

Period C

Contents:

The course deepens the student's modelling skills in handling problems in logistics. Emphasis will be given to the art of model formulation and lay out in spreadsheets, the role of a model, and the analysis of model results. A case studies approach to problems is taken. Some tools that are applied during the course are integer programming, network optimization models, and tools involving multiple objectives.

Learning activities and teaching methods:

Lectures and computer class instruction.

Recommended or required reading:

Hillier, F.S. & Hillier, M.S. (2003), Introduction to Management Science – a modeling and case studies approach with spreadsheets, 2nd ed., McGraw Hill, Irwin. Rardin, R.L. (1998), Optimization in operations research, Prentice Hall, Upper Saddle River.

Assessment methods and criteria:

Assignments and exam.

Person responsible:

Research professor Heli Kilpala.

721724A: Logistics System Analysis, 5 op

Voimassaolo: 01.08.2002 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Period A

Contents:

The objective of this course is to familiarize students with strategic and analytical elements of logistical systems design and management. The goal is to prepare students to solve practical problems of logistics planners and managers. These problems include resource allocation, inventory management, and transportation problems. The systems analysis tools that are practiced during the course are linear programming, simulation, and queuing models.

Learning activities and teaching methods:

Lectures and computer class instruction. Assignments and a class project.

Recommended or required reading:

Nahmias, S. (2001), Production and Operations Analysis, McGraw-Hill, Irwin, supplemented by articles and other literature delivered during the contact hours.

Person responsible:

Research professor Heli Kilpala.

721172P: Management Accounting, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Petri Sahlström

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay721172P Management Accounting (OPEN UNI) 5.0 op

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Period C

Contents:

Theoretical framework for understanding cost accounting, cost concepts, cost recording, choices in product costing, possibilities of analytic profit accounting, objects of accounting.

Learning activities and teaching methods:

8 hours of lectures and independent reading of the textbook and hand-out material.

Recommended or required reading:

Drury, C.: Management and cost accounting. Thomson Business Press, 5th ed. 2000 (or newer ed.). Parts 1,2, and 3 (pages 1-452 in 5th ed.); Hand-out material (available at University Press about a week before the lectures). Language of instruction: English

Assessment methods and criteria:

Literature examination

Person responsible:

Professor Petri Sahlström.

721750S: Master's Thesis, Logistics, 30 op

Opiskelumuoto: Advanced Studies

Laji: Diploma thesis

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: A,B,N,C,M,EX,L

Opintokohteen kielet: English, Finnish

ECTS Credits:

30 credits

Timing:

Period: autumn 2006-spring 2007.

Contents:

Master's thesis (pro gradu) is a comprehensive treatment of selected subject in logistics, showing the student's capacity for analytical and critical judgment and scientific communication. A master's thesis builds on a well-formulated research problem and the specification of more explicit research questions. Moreover, a thesis contains an overview of theoretical literature which forms the framework for the study. Relevant research methods and profound empirical analysis, combined with well-structured and readable text are seen as important criteria of thesis evaluation. In addition, the evaluation will be based on the theoretical and practical contribution of the study.

Assessment methods and criteria:

Compulsory participation in pro gradu seminars, written research proposal and two interim reports, final manuscript. Also required is to act as opponent in the sessions. After accepted manuscript, the student is also expected to write a maturity test in his/her own native language.

Person responsible:

Professor Jari Juga.

721414S: Purchasing and Supply Network Management, 6 op

Voimassaolo: 01.08.2006 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Pauliina Ulkuniemi

Opintokohteen kielet: English

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

6 credits

Timing:

Period C

Contents:

The role of purchasing in the company, the logic of industrial purchasing behaviour, the current challenges of purchasing, supplier relationships, supply networks and purchasing strategies.

Learning activities and teaching methods:

20 h lectures and group work, independent reading of the textbooks

Recommended or required reading:

Gadde, L-E & Håkansson, Håkan: Supply Network Strategies, John Wiley & Sons 2001; Axelsson, B., Rozemeijer, F. & Wynstra, F.: Developing Sourcing Capabilities. Creating strategic change in purchasing and supply management, 2005 and other material named by the lecturer.

Assessment methods and criteria:

Lectures and literature examination, essay

Person responsible:

Pauliina Ulkuniemi, D.Sc. (Econ. & Bus. Adm.)

721720A: Seminar in Logistics, 10 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Pekkarinen, Saara Marketta

Opintokohteen kielet: Finnish

ECTS Credits:

10 credits

Timing:

Periods C and D

Contents:

The research seminar work has as its goal to advance the student's academic writing and research skills. In tutored seminar sessions, the student is expected to write a research paper focusing on selected theoretical theme in logistics. A special emphasis will be given to the search of relevant literature and academic writing techniques. The course is intended to serve as a basis for master's thesis work.

Learning activities and teaching methods:

Seminar sessions (compulsory participation), seminar paper.

Recommended or required reading:

Will be announced in the sessions.

Person responsible:

Professor, logistics assistant.

721754S: Special Issues in Logistics, 6 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

6 credits

Timing:

Period: Free.

Contents:

The purpose of the course is to apply the student's knowledge and skills on some topic area in logistics. The course will be tailored to the student's individual goals, also including research-oriented company or industry specific development projects. More detailed information on the course contents, literature requirements, teaching and working methods will be offered in the beginning of the course. The general idea is that the course would contribute to the preliminary plan for the student's thesis work.

Person responsible:

Research professor Heli Kilpala.

721183A: Strategic Management, 5 op

Voimassaolo: - 31.07.2010

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Eriksson, Seppo Allan

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Period A

Contents:

Central concepts of strategic thinking, planning and management, analyzing tools and processes. Course takes a managerial perspective.

Learning activities and teaching methods:

20 hours of lectures, 20 hours of case exercises, and independent reading of the textbooks

Recommended or required reading:

Johnson & Scholes: Exploring Corporate Strategy, 6 ed. Pearson Education limited 2002. Other material announced during the lectures.

Assessment methods and criteria:

Literature examination, participation to case exercises

Person responsible:

Seppo Eriksson, D.Sc.(Econ.&Bus.Adm.)

721464S: Strategic Marketing and Management, 6 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Salo, Jari Tapani

Opintokohteen kielet: English

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

6 credits

Timing:

Period B

Contents:

Course introduces students to the heterogeneous fields of strategic marketing and management. Facilitates and attempts to arouse critical perspectives to strategic marketing and management. The main themes of the course: Marketing and Strategy Interface, Beyond Traditional Strategic Thinking, Core Competence Paradigm, Strategic Customer Relationship Management, Industrial Networks and Strategy, Value Creation in Relationships and Networks

Learning activities and teaching methods:

22 h lectures and exercises. Prerequisite: Subject studies in marketing

Recommended or required reading:

Article collection. Mintzberg, H.: The Rise and Fall of Strategic Planning, 1994; Alvesson, M. & Willmott, H.: Making Sense of Management, A Critical Introduction, 1996 and other material named by the lecturer.

Person responsible:

Assistant Professor in Marketing Jari Salo. D.Sc.

721675S: Supply Chain Management, 6 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Jari Juga

Opintokohteen kielet: English

ECTS Credits:

6 credits

Timing:

Period B

Contents:

The course deepens the student's knowledge on strategic logistics and supply chain management, the underlying theoretical models combined with contemporary phenomena and improvement initiatives. The topics include

partnerships and alliances, collaborative supply chain practices, lean management, outsourcing strategies and supply chain performance indicators. A special emphasis will be given to the question of supply chain dynamics and integration and enabling supply chain technologies.

Learning activities and teaching methods:

Lectures 24 h and assignment

Recommended or required reading:

Harrison, A. & v.Hoek, R. (2002), Logistics Management and Strategy, Prentice-Hall, Upper Saddle River.

Handfield, R.B., Nichols, Ernst, Jr. & Nichols, Ernest L. (2002), Supply Chain Redesign: Transforming Supply Chains into Integrated Value Systems, Financial Times/Prentice-Hall: Upper Saddle River.

Assessment methods and criteria:

Exam.

Person responsible:

Professor Jari Juga.

721753S: Transport Economics and Policy, 6 op

Voimassaolo: 01.08.2001 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Pekkarinen, Saara Marketta

Opintokohteen kielet: English

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

6 credits

Timing:

Period D

Contents:

The main target of the course is to review the concepts and models for explaining and forecasting the impacts of transport policy. Knowledge of transport policy and external conditions is an essential element of transport business management, combined with the capabilities for analysis and economic modeling of transport markets. The course will include: transport as economic activity with location issue, demand and the costs of transport, organization of supply, and policy issues, e.g. the infrastructure and transport pricing.

Learning activities and teaching methods:

Lectures 24 h and assignments.

Recommended or required reading:

Quinet, E. and Vickerman, R. (2004) Principles of Transport Economics, Cheltenham, UK: EE Publ. Additional

readings: De Borger, B. and Proost, S. eds. (2001) Reforming Transport Pricing in the European Union. EE Publ. Cheltenham, UK. p. 1 – 51; 135 – 190. Selected articles about transport policy implemented by the EU commission.

Assessment methods and criteria:

Exam.

Person responsible:

N.N.

721722A: Transport Law, 5 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opettajat: Pulkkinen Markku

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Period A

Contents:

Transport agreements, payments and financing, international competition agreements, international economic cooperation.

Learning activities and teaching methods:

3 hours of introductory lectures and independent studying of the textbooks.

Recommended or required reading:

Sisula-Tulokas, Leena: Kuljetusoikeuden perusteet, 1994; Sisula-Tulokas, L: Ulkomaankauppaoikeuden perusteet. 1998. Language of Instruction: Finnish

Assessment methods and criteria:

Lectures and literature examination

Person responsible:

Markku Pulkkinen, LL.M.

721752P: Transport and Forwarding Operations, 5 op

Voimassaolo: 01.08.2005 - 31.07.2010

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Economics and Business Administration

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

5 credits

Timing:

Period C

Contents:

The main target of the course is to give the students basic knowledge on freight transport and forwarding operations from the managerial point of view. After the course the students know the principles and methods of operational management and understand logistics service industry's business models, strategies and performance issues. The course includes a description of the business environment and freight operations by transport mode, forwarding business, documentation in international trade, the role of IT, etc. Performance of logistics service providers and the supply chain management implications will also be examined.

Learning activities and teaching methods:

Lectures 24 h, assignments. Exam.

Recommended or required reading:

Coyle, J.C., Bardi, E.J., and Novack, R.A. (2006) Transportation, 6th. edition. South-Western, part of the Thomson Corporation, Mason, Ohio. Other material delivered during the contact hours.

Assessment methods and criteria:

Exam.

Person responsible:

Logistics assistant