



APPLIES TO ACADEMIC YEAR 2016/2017

EXC 3652 Port Management

Programme

Bachelor of Business Administration - BBA (3. year), Exchange Program

Responsible for the course

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Department

Department of Accounting - Auditing and Business Analytics

Term

According to study plan

ECTS Credits

7,5

Language of instruction

English

Introduction

The purpose of this course is to provide an understanding of various port management aspects as well as transportation modes used in international transports, with an emphasis on multimodal transport operations. It provides a further framework around shipping management, and helps to relate sea transportation in relation to other transport modes. An important aspect is also the understanding of the port as a multimodal link in the supply chains

Learning outcome

Acquired knowledge

After completed course students shall have learned:

- The concept of port management and multimodal transportation
- The benefits and costs related to various transportation modes
- The impact on supply chain efficiency of alternative transport choices
- The roles of port users and service providers
- About port operations, governance and performance

Acquired skills

After completed course students shall be able to:

- Describe and explain alternative transport systems
- Describe and analysis cost efficiency of alternative shipping systems
- Discuss competition between modes
- Use port cost/price models
- Discuss port governance, agglomeration, competition and performance

Reflection:

To understand the relationship between port/transport choice decisions and supply chain effectiveness and efficiency

Prerequisites

Compulsory reading

Books:

Song, Dong-Wook and Photis M. Panayides. 2015. Maritime logistics : a complete guide to effective shipping and port management. 2nd ed. Kogan Page

Talley, Wayne Kenneth. 2009. Port economics. Routledge. 208 s

Articles:

Gharehgozli, Amir Hossein and Roy, Debjit and de Koster, M. B. M.. 2014. Sea Container Terminals: New Technologies, OR Models, and Emerging Research Areas. ERIM Report Series Reference No. ERS-2014-009-LIS. Available at SSRN: <http://ssrn.com/abstract=2469175> or <http://dx.doi.org/10.2139/ssrn.2469175>

Other:

Handouts, lectures and field visits are also part of what may be subject to exam questions.

Recommended reading

Course outline

- Transportation and transportation industry – overview
- Demand for freight transportation
- Road transportation
- Railway transportation
- Pipelines
- Short sea transportation
- Deep sea transportation
- Cost structures for alternative transportation mode
- Cost structures for intermodal transfers
- Intermodal Transport Operations
- Ports
- Port operations and cost
- Future developments
- Port operations planning

Computer-based tools

No specified computer-based tools are required.

Learning process and workload

The course consists of 45 hours (15 lectures).

Students are expected to actively participate through discussions and exercises. In addition, 3 of the 15 lectures will be in the form of field visits/excursions.

Recommended workload in hours

Activity	Hours
Participation in lectures, excursions and discussions	45
Preparation for lectures/reading literature	50
Preparation for the examination	40
Examination	65
Total Recommended workload	200

Use of hours

45 hours - Lectures, contact hours including cases, excursions and discussions.

Examination

A 3 hour individual written exam concludes the course.

Examination code(s)

EXC 36521 - Written examination, counts 100% to obtain final grade in EXC 3652 Port Management, 7,5 credits.

Examination support materials

BI approved exam calculator and a bilingual dictionary.

Examination support materials at written examinations are explained under examination information in the student portal @BI. Please note use of calculator and dictionary. https://at.bi.no/EN/Pages/Exa_Hjelpemidler-til-eksamen.aspx

Re-sit examination

Re-sit examination is offered every term.

Additional information