

Vakcode	LBVP23FAB4A	Werkvormen	Onderwijs
Naam	Fundamental Areas of International Business 4	Toetsen	Fundamental Areas of Int. Bus. 4 - Computer, organisatie ToetsCentrum
Studiejaar	2025-2026		
ECTS credits	5		
Taal	Engels		
Coördinator	K.A. Grabovets		

Leeruitkomsten

The student individually has the basic knowledge and skills to:

Supply Chain Management:

- Understand and define the role of logistics and supply chain management.
- Understand and define the procurement process and the role that procurement plays in the effectiveness and efficiency of the firm.
- Understand and define the role of Inventory management within inbound logistics including Just in Time.
- Understand and define the role of transportation with regards to inbound logistics.
- Understand the implications of logistics decision making on the financial health of a company.
- Understand and define the relationships between Customers and the firm with respect to the Outbound (Physical Distribution) Flows
- Explain the role and importance of Information Management in Logistics and Supply Chain decision making and analyze this information in order to make supply chain decisions in situations that include uncertainty
- Understand the importance of demand forecasting and apply to Supply Chain decision making
- Explain the role that Operations Management plays in Supply Chain decision making and to create a Master Production Schedule and develop a Materials Requirements Plan
- Understand and define the role of Customer Service related to Physical Distribution and Supply Chain decision making
- Understand and define the role of Inventory management (of finished products) within outbound logistics and be able to calculate cycle stock and safety stock levels in situations of uncertainty
- Understand, develop and apply supply chain performance metrics with specific reference to the outbound (Physical Distribution) side of the Logistics Pipeline.

Cost Accounting:

- construct static and flexible budget
- analyze differences in level 1, 2, and 3 of variance analysis
- apply activity-based costing and process costing method in a manufacturing company

Managerial Finance:

- calculate payback period and net present value
- use net present value profiles to compare NPV and IRR techniques
- From relatively well-structured information determine the relevant cash flows needed to analyse an investment proposal (initial investment or terminal cash flow, and operating cash flow using MACRS)

LW 10-2, TWM18-2, TWM19-2, TWM20-2, TWM21-2

Inhoud

Supply Chain Management will focus on the inbound flows between suppliers and the firm. The consequences of logistics decision making for the financial health of the company will be investigated. Students will be able to calculate cycle stock and economic order quantities in situations of certainty on the Order Cycle and implications for Customer Service on the outbound side of the logistics pipeline. The importance of demand forecasting and the implications for Supply Chain decision making will be introduced with particular emphasis on Production Planning, Materials Requirements and Distribution Resource Planning. The concept of uncertainty will also be introduced and applied to production and inventory planning. Supply Chain Performance Measurement, Monitoring and Control will be integrated.

From the Managerial Accounting perspective, process costing will be introduced to help students understand how product cost is calculated by using activity-based costing and process costing. Next to this, students will get to know variance analysis, which is a tool to analyze the differences between actual results and budgeted results. It also helps to find out the underlying reasons for these variances and act upon them, which is applicable to the TopSim logistics project.

For the Finance and Accounting part, students will get introduced to the various capital budgeting techniques: how to use payback period, net present value, and internal rate of return to make investment decisions. Furthermore, students will work with the cash flow for replacement decisions, which is highly relevant for the TopSim logistics project.

Opgenomen in opleiding(en)

International Business 3 Year

School(s)

International Business School

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