



Course Brochure

Master Programme in SUPPLY CHAIN MANAGEMENT (EM Log) European Master Logician

Presented by the Unit for Supply Chain Management, University of Pretoria

Course start date: April 2010 – March 2011

Registration closes on: 24 March 2010

BRIEF DESCRIPTION

The purpose of this programme is to equip top level managers with the skills to participate in strategic management of the supply chain within a multi-disciplinary team. The qualification is aimed at providing highly skilled managers with conceptual and strategic skills in a field where critical shortages exist at this level.

COURSE CONTENT

<p>Module 1 Integrated Logistics Planning</p> <ul style="list-style-type: none"> • Introduction to the course and structure of programme • Managing the supply chain • Design the planning hierarchy • Project management • Scheduling • Key performance measurements • Agile logistics 	<p>Module 2 Inbound Logistics</p> <ul style="list-style-type: none"> • Trends in procurement • Procurement performance • Procurement case studies • Procurement and product development • Commercial law aspect of logistics 	<p>Module 3 Inventory Management</p> <ul style="list-style-type: none"> • Statistics • Inventory management • Supply chain simulation • Supply chain effects • Investment decisions
<p>Module 4 Manufacturing Logistics</p> <ul style="list-style-type: none"> • Logistics concepts • MRP 1 & MRP 2 • Money flow • MPS, APS logic and demand management • JIT/Kanban, theory of constraints • Bills of material • Capacity planning • Intro to info systems and modelling • Fundamentals and functionality of ERP systems • Total quality and logistics management • Characteristics of production control • Throughput-/delivery time studies in complex production environment • Production control in a process industry • Throughput management on a make to order industry 	<p>Module 5 Distribution Logistics</p> <ul style="list-style-type: none"> • Introduction to distribution logistics • Distribution cost control • Operational research of warehousing and transport • Physical distribution • DRP & distribution control • Activity based costing • Pipeline control and product characteristics • Economic trade-offs • Warehouse location 	<p>Module 6 Supply Chain & Marketing Integration</p> <ul style="list-style-type: none"> • Supply chain management and channel integration • EDI & network integration • Fundamentals of logistics in service industries • Value added logistics • Strategic distribution logistics • Global distribution logistics • Success factors in transport/distribution • ECR & value chain analysis • Strategic marketing • Services marketing • Consumer marketing • Business to business marketing • Marketing/logistics case studies • Interfaces between marketing and logistics
<p>Module 7 Facilities Design & Reverse Logistics</p> <ul style="list-style-type: none"> • Transport environment • Model selection & inter-model combinations • Vehicle replacement, selection, acquisition • Transport operations • Transport economics • Transport strategies • Future trends 	<p>Module 8 - Integration, Organisation & Implementation</p> <ul style="list-style-type: none"> • Strategy and logistics • Supply chain simulation • Case study on strategy and logistics • Organising for effective logistics • Corporate culture, change management and integral project management • Selection of the appropriate logistics decision support system • Case study on logistics diagnostic systems 	

LEARNING OUTCOMES

The successful learner will be able to apply integrated supply chain management principles on a strategic management level.

ADMISSION REQUIREMENTS

Delegates should have completed the Advanced Certificate in Supply Chain Management or a Bachelors degree in Logistics or in Transport Economics.

WHO SHOULD ENROL?

The target market for this master programme includes senior management in areas of integrated supply chain management, operations management and marketing management.

COURSE STRUCTURE

The programme is offered in seven blocks.

Module 1: 7 – 9 April 2010
Module 2: 24 – 26 May 2010
Module 3&4: 21 – 25 June 2010
Module 5: 26 – 28 July 2010

Module 6: 6 – 10 September 2010
Module 7: 4 -6 October 2010
Module 8: 15 – 18 November 2010

PRESENTERS

Mr Schalk van der Merwe – AVI
Mr Paul Durlinger – Durlinger Consulting (Netherlands)
Dr Sander de Leeuw – Vrije University (Netherlands)
Mr Pierre Linford – Edulog CC

Mr Jan Snijder – NEVI (Netherlands)
Mr Gerard de Villiers – Supply Chain Advantage (Pty) Ltd
Prof Math de Vaan – Berenschot (Netherlands)
Prof Rene de Koster – Erasmus University, Rotterdam

ACCREDITATION

Recommended: NQF level 7

ASSESSMENT

To achieve success at this level, candidates will need to be accepted in the final assessment of all eight modules. Oral examination dates will be announced.

COURSE FEE (CE at UP IS EXEMPT FROM VAT)

The course fee is **R44 000** per complete programme. All course notes, text books and refreshments are included during contact days.

REGISTRATION & ENQUIRIES

ENQUIRIES REGARDING REGISTRATION

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ENQUIRIES REGARDING CONTENT

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