

OPERATIONS MANAGEMENT (OPM)

OPM 7120 Operations and Supply Chain Management 3 cr

Operations and Supply Chain Management focuses on the management of processes that transform inputs into valuable outputs within supply chains. This case method course will allow students to learn systematic ways of seeing, thinking, and managing key related processes.

OPM 7130 Supply Chain Sustainability 3 cr

This course takes a broad look at supply chain sustainability. Supply chain management includes logistics/transportation, purchasing, and a few aspects of marketing. Sustainability is a multi-dimensional concept, spanning environmental, social and economic issues. Delivery is via interactive lectures, small group discussions, and writing/presenting a sustainability term paper.

OPM 7140 Seminar in Supply Chain Management 3 cr

This graduate seminar addresses key subject areas in supply chain management, primarily via the review of recent academic literature in the field. The material is approached from an overall management perspective, with little emphasis on specific operational or mathematical techniques.

OPM 7150 Operations Strategy 3 cr

This course examines issues of operations strategy. Representative topics include the development of operational capabilities for competitive advantage, capacity strategy, operations improvement, vertical integration and outsourcing, managing operating networks, and new process development.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: OPM 7120 or former OPM 6090.

OPM 7160 Purchasing and Supply Management 3 cr

Purchasing and supply management are sometimes considered equal yet separate areas of business; and sometimes they are considered to be interchangeable. Purchasing is now one of the key strategic elements of an organization. The broad goal of the course is for students to better understand the strategic side of purchasing, as well as tactical approaches that support the strategy. The course builds from an initial discussion of strategic and tactical purchasing to a consideration of key processes that support the strategic goal and tactical imperative.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: OPM 7120 (or the former OPM 6090).

OPM 7170 Project Management 3 cr

Topics covered in this course will include project initiating, planning, executing, monitoring and controlling, and closing. Knowledge areas such as scope, schedule, cost, risk, and HR management will be discussed. The course will make use of industrial projects for developing a strong planning and analytical approach pertinent to project management.

OPM 7180 Sustainable Lean Management 3 cr

Sustainable Lean Management will provide students with a basic understanding of the components of Sustainable Lean Management in the context of Profit, People and Plant (the triple bottom line) and the opportunity to practically apply the principles, methods and tools of Sustainable Lean Management to real problems. Sustainable Lean Management, at its core, is about systematically identifying the strategic problems of an organization and methodically solving those problems while simultaneously growing and developing the potential of people to the benefit of all stakeholders of the enterprise.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: OPM 7120.

OPM 7300 Topics in Advanced Production and Operations Management 3 cr

A study of recent developments in production systems and management. Topics include systems design, plant location and layout, inventory systems planning and control.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: OPM 7120 (or OPM 6090).