- Faculté des sciences économiques
- www.unine.ch/seco

Operations Management (5EN2039)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master in General Management	**Cours: 2 ph**	**Voir ci-dessous**	3

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Printemps

Equipe enseignante

Prof. Dr. Eng. Nicolas Zufferey, GSEM - University of Geneva, n.zufferey@unige.ch

Mr. Jorge Espinosa, Procter & Gamble, Jespinosavt@yahoo.com

Contenu

Session 1 February 17 Operations Research & Industry / Linear Programming in Practice
Session 2 March 2 Graph Models in Logistics
Session 3 March 9 Excel Solver / Questions-Answers
Session 4 March 23 Midterm exam (50% of the final mark)
Supply Chain Management 1 (+ team building).
Session 5 March 30 Supply Chain Management 2
Session 6 April 6 Supply Chain Management 3
Session 7 April 27 Supply Chain Management 4 + Project presentations (50% of the final mark)

Forme de l'évaluation

The first part of the course is evaluated with a midterm exam (50% of the final mark). The mid-term exam is written and individual. Documents, calculators and computers are forbidden.
The second part of the course is evaluated with oral presentations (50% of the final mark, as scheduled in the above table).
The retake exam is a written and individual that counts for 100% of the grade (during the retake exam session).
Neither documents nor connected devices are permitted during the exam. In case of violation of these rules, the students are in a situation of fraud and the unauthorized will be removed. The exam could be deemed as failed.

Documentation

There is no compulsory textbook. The student interested in going farther than the course can for example read the following documents.

F. R. Jacobs, R. B. Chase (2013), Operations and Supply Chain Management, McGraw-Hill.
R. B. Chase, F. R. Jacobs, and N. J. Aquilano (2004) Operations Management for Competitive Advantage, McGraw-Hill.
M. Christopher (2016), Logistics & Supply Chain Management, FT Press

Objectifs d'apprentissage

Au terme de la formation l'étudiant-e doit être capable de :

- Formulate an optimization problem
- Select efficient solutions
- Define decisions, contraints and goals

Compétences transférables

- Decision making
- Carry out a critical analysis
- Generate new ideas (creativity)
- Develop hands-on, pro forma modelling skills using Excel
- Apply knowledge to new situations