

MBA – Master of Business and Administration
1ère année/ 1st Year
GDBA – Graduate Degree in Business Administration

Titre du Cours : **Operation Analysys 1**

Course Title:

Heures : 20

Lecture hours:

ECTS Credits: 2

- **PRE-REQUIS-PRE-REQUISITE** *Connaissances globales à maîtriser par les étudiants ou public concerné / Global knowledge to be mastered*

Bachelor's degree

Master the use of oral and written English for academic and professional purposes.
Train senior high level of expertise, financial management professionals, leaders

- **OBJECTIFS PÉDAGOGIQUES DU COURS / LEARNING OBJECTIVES**

Ce que le cours doit apporter (Fondamentaux, techniques à maîtriser) / Knowledge to be obtained

Our objective in this course is to introduce you to concepts and techniques related to the design, planning, control, and improvement of manufacturing and service operations. We will investigate various aspects of each of the three foundational components of operations management: process design and management, product development and supply chain management.

- **CONTENU DU COURS / DESCRIPTION OF THE COURSE**

(Max 5-6 lignes /MAX 5-6 LINES)

We will cover topics in the areas of process analysis, materials management, production scheduling, quality improvement, and product design.

- **LISTE DES SUJETS OU RESUME DES SÉANCE/ TOPICS OF EACH SESSION OR SUMMARY OF THE COURSE**

Sujet de chaque séance ou sommaire du cours/ Subject of each session

1	What is « Operations management »?	Chapter 1 [1]
PART 1	DESIGN, PLANNING and CONTROL	
2	Competitiveness, Strategy, and Productivity	Chapter 2 [1]
3	Process selection and facility layout	Chapter 6 [1]
4	Quality (Management & Control)	Chapter 9 + 10 [1]
5	Inventory Management	Chapter 13 [1]
[6]	Aggregate Planning and Master Scheduling (depending on the progress of the previous parts)	Chapter 11 [1]

Final Exam	
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➤ **METHODES D'EVALUATION (CONTROLE CONTINU) / EVALUATION AND GRADING**

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| ➤ Attendance | 10% |
| ➤ Participation | 15% |
| ➤ Homework assignment(s) | 25% |
| ➤ Final exam | 50% |

➤ **REFERENCES BIBLIOGRAPHIQUES / BIBLIOGRAPHY**

Both of the following textbooks are used to support the course:

- [1] Stevenson, Operations Management 12th Edition, McGraw-Hill. ISBN 9780077640378.
[2] Pearson, Heizer/Render: Operations Management, 11e, Global Edition - ISBN