Course title:

Inventory management

Staff responsible for the course:

Linda ZHANG

Lecturers:

First Name + Name
Linda ZHANG

1) COURSE PRESENTATION

Aims:
Draw up a list of competencies and/or skills that the student should have acquired or improved at the end of the course.
You must fill in the field under the format "the student should be able to…" using action verbs such as define, realise, control… *(This description should not take more than ten lines)*

At the end of the course, the student should be able to:
- understand the types and functions of inventories;
- describe the impact of aggregate planning on inventory management;
- apply demand forecasting and aggregate planning methods in different problem contexts;
- comprehend a number of inventory models;
- identify and apply appropriate inventory models to solve specific problems.

Prerequisites:
You must not write courses' codes or names, but identify the preliminary skills as the knowledge or the know-how needed to efficiently follow this course.
Write it out in terms of knowledge and methodologies required to follow this course (this would help students from direct entry to position themselves). *(This description should not take more than five lines)*

Statistics & Probability distributions. Note: If your knowledge on Statistics and Probability distributions is good, this course is relative easier for you.

Course contents:
Here, an abstract of the course can be given or the different chapters of the course can be simply written down.
(The description should not take more than ten lines)

• Aggregate planning
• Inventory models

2) WORKING LOAD

Here, you should allocate the effective working load of the course, including an estimation of the personal work required from the student.

TABLE 1

Course's types	Number of hours	Notes
Effective presence		
- *Magistral Course*		
- *Interactive Course*	16	Lecturing, discussions, in class exercise
- *Tutorials*		
- *Coaching*		
- *PBL Course*		
Training from a distance		
- *Video-conferences*		
- *Webinars*		
Self-learning		
- *Books 'readings*	8	For digging deeper, students need to read relevant books about inventory management.
- *E-learning*		
- *Research*		
Outdoors-training		
- *In firms*		
- *Internship*		
Personal work		
- *Group Projects*	4	
- *Individual Projects*		
- *Personal work*	4	
Total working time for the student		

3) EDUCATIONAL METHODS

Tick here the different educational methods used:

☐ Coaching
☐ Case Study
☒ E-Learning and/or Self-learning
☒ Interactive courses
☐ Presentations
☐ Projects
☐ Research
☐ Seminars
☐ Tutorials
☐ Visits

4) ASSESSMENT

Sum up briefly the course assessment's mechanism (two or three lines)
This will introduce the assessment's table that you have to complete below (table n°2).

Assessment will be based on participation to class discussions, solution to group projects, and individual assignments.

List the assessment for each modality.

TABLE 2

Modality	Type of control	Length (h)	Number	Weighting (%)
Continuous assessment	Continuous assessment			
	Mid-term exam			
	Participation	Each class	4	20
	Oral presentation			
	MCQ			
Final exam	Oral final exam			
	Written final exam			
Others	Case study			
	Group Project	One week	1	40
	Individual Project			
	Written assignment	One week	1	40
	Exercises			
Total				**100%**

5) RECOMMENDED READING

Name of books (indicate only three or four must-read references) / Name of reviews:

Reference book (appellation reserved for books selected by the School and necessarily bought by all the students):
n.a.

Class books :
While there is no a compulsory book for this cousre, the books below are recommended for reading. (1) Piasecki, D.J. (2009), Inventory Management Explained: A Focus on Forecasting, Lot Sizing, Safety Stock, and Ordering Systems, 1st ed., ISBN-13: 978-0972763110, Ops Publishing. (2) Operations Management, W.J. Stevenson, 10th Edition, McGraw-Hill/Irwin, 2009, ISBN: 0070091773, 9780070091771. (Other editions are fine as well.)

Reviews :

Internet Resources:

Please indicate here if you use the school intranet site to put on-line documents and/or if you advise the visit of web sites to students.

Name of the Website	URL
IESEG Online	