

## GLOBAL SUPPLY CHAIN MANAGEMENT

<b>Course code</b>	<i>MNG 243</i>
<b>Compulsory in the programme</b>	<i>International Business and Communication, Business Management and Marketing</i>
<b>Level of studies</b>	<i>Undergraduate</i>
<b>Number of credits</b>	<i>6 ECTS (48 in-class hours + 6 consultation hours + 1 exam hour, 105 individual work hours)</i>
<b>Course coordinator (title and name)</b>	<i>Dr. Juan Ocampo</i>
<b>Prerequisites</b>	<i>None</i>
<b>Language of instruction</b>	<i>English</i>

### THE AIM OF THE COURSE:

This course will introduce you to the key aspects of supply chain management and place them in a global context. The course lays the foundations that will allow you to expand your knowledge in global supply chain management, developing a problem-solving oriented mindset. You will gain an awareness of key theories and practical techniques in global supply chain management, and you will apply them to conceptual exercises and case studies. You will also explore and experience the digital transformation of global supply chain management. All these aspects of the course will build your professional skills, rendering you an attractive resource for companies.

### MAPPING OF COURSE LEVEL LEARNING OUTCOMES (OBJECTIVES) WITH DEGREE LEVEL LEARNING OBJECTIVES (See Annex), ASSESMENT AND TEACHING METHODS

Course level learning outcomes (objectives)	Degree level learning objectives	Assessment methods	Teaching methods
CLO1. Introduce students to the core concepts of global supply chain management	LO1.1.; LO2.1.	Final assignment, coursework, final exam	Lecture, self-study
CLO2. Understand the importance of supply chain network design and acquire practical skills on the topic	LO1.2.; LO2.1.; LO3.1.; LO3.2.; LO4.1.; LO4.2	Final assignment, coursework, final exam	Lecture (theory and software), self-study

CLO3. Understand the importance of inventory management and learn inventory management techniques	LO1.2.; LO2.1.; LO3.1.; LO3.2.; LO4.1.; LO4.2	Final assignment, coursework, final exam	Lecture (theory and teamwork), self-study
CLO4. Understand the importance of demand forecasting and learn demand forecasting techniques	LO1.2.; LO2.1.; LO3.1.; LO3.2.; LO4.1.; LO4.2	Final assignment, coursework, final exam	Lecture (theory and teamwork), self-study
CLO5. Learn the different sourcing and transportation policies and understand when to adopt them	LO1.2.; LO2.1.; LO3.1.; LO3.2.; LO4.1.; LO4.2	Final assignment, coursework, final exam	Lecture (theory and software), self-study
CLO6. Understand the risks affecting the global supply chain and how to manage them	LO1.2.; LO2.1.; LO3.1.; LO3.2.; LO4.1.; LO4.2	Final assignment, coursework, final exam	Lecture (theory, coursework and software), self-study

## ACADEMIC HONESTY AND INTEGRITY

The ISM University of Management and Economics Code of Ethics, including cheating and plagiarism are fully applicable and will be strictly enforced in the course. Academic dishonesty, and cheating can and will lead to a report to the ISM Committee of Ethics. With regard to remote learning, ISM remind students that they are expected to adhere and maintain the same academic honesty and integrity that they would in a classroom setting.

## COURSE OUTLINE

The teaching of this module will happen through lectures as well as self-learning. The teaching blocks will be mainly conducted by Dr. Juan Ocampo, who also coordinates several guest speakers from the industry according to topics scheduled. These guests from different companies and organizations will present their companies, their products, expertise, and challenges. This course is taught with a mixture of didactic methods: interactive lectures, case studies, group discussions, workshops, reflections, group feedback, group simulations, gamification elements (kahoot), presentations and pitches of solutions and proposals.

Form	Sub-Topic	Hours
Online	Introduction to the GSCM course - Basic definitions, course aims, structure, requirements, assessment criteria, reading list	2
Online	Check in for group submission 1	2
University	Intro to Global Supply Chain Management, GSC Strategies, Trends	8
University	Process Choice and layout decisions in manufacturing and services, Business Processes,	8

University	Managing Quality, Managing Capacity, Supply Management, Logistics,	8
University	Planning and Controlling Supply Chains, Forecasting, Operations Planning, Managing Inventory	8
University	Technology in SCM	8
Online	Final presentations of group submission 2	4
<b>Total</b>	<b>48 hours</b>	
<b>Final Exam</b>		

## FINAL GRADE COMPOSITION

The evaluation and workload of this module is summarized in the next table and consists of four different elements that grouped together add up to 100 points. All elements are explained in this section. On the first session of this module, groups will be formed to work and submit together three activities. Depending on the quantity of students, the groups may be of 4 or 5 people. This will be clarified on the first session and the coordination and formation of those groups will be entirely the responsibility of the students.

Type of assignment	%
<i>Group Components 60 %</i>	
Group presentation on GSCM topic	20
Group project simulation presentation submission	20
Group project simulation solution documentation submission	20
<i>Individual Components 40%</i>	
Final exam	40
<b>Total:</b>	<b>100</b>

### a. Group presentation on GSCM topic

Groups will select a topic from a list of curated topics by the lecturer. They will present the topic as a complement to the lecturer's input. These topics are normally tools and methods used in the development of solutions within an GSCM context. The list of topics will be announced on the first session. The date of presentation will come assigned directly with the topic and cannot be changed. The day of the first session, the topics will be available for selection and will be available on a "first-come-first-served" basis. Failing to present means failing this

part of the portfolio examination. The groups will be expected to present 25 minutes for their presentation, plus 10 minutes for discussion with the entire group and lecturer. The students must submit a .ppt file with their presentation latest by 24.10.2024 before midnight (EET). The submission will be done through the university's learning platform and will be available by the start of the first session. All basic academic standards are expected in the presentation. The presentation will be done during the week of classes but it will be announced one day before the class starts.

b. Group project simulation presentation + solution documentation

This element of the portfolio examination consists on a problem-case that will be presented to the students during the block week. The different elements and constraints will be detailed during the block week and the students are responsible to develop scenario solutions for the problem as part of a simulation of GSCM. The solution will be submitted by each group latest by 06.11.2024 23.59 (EET) and the presentation of the solution will be done on 07.11.2024 online (EET). The sequence of the presentations will be decided by the lecturer. The .ppt file submitted for the final presentations may not exceed 30 slides (back up slides are encouraged but do not count for the final presentation). The documented solution may not exceed 20 pages and will contain all calculations, research, hypotheses, assumptions for solutions, etc. The presentation may have a maximum length of 10 minutes.

c. Final examination

The final examination consists of a written test that will be taken at university. No external aids, materials, presentations, books or any kind of support is allowed during the exams. Basic calculators are allowed. The exam will have a length of one hour.

## GENERAL RULES AND AGREEMENTS

- For all sessions bring your laptop or tablet fully charge. Rules to use them will be explained in the class.
- Slides and assignments will be uploaded to the e-learning system right after the lecture. All submissions must be made through learning platform aligning to deadlines. Failing a deadline is failing that portfolio activity.
- Final exam is without any external aid. Calculators are allowed.
- Guest lecturers sequence may change on short notice depending on availability of guests.
- At online sessions, students will have their camera on.
- Once groups are made and topics are selected on first session, no changes will be accepted later on.
- The literature listed here does not constitute an exhaustive reading list.
- When using electronic resources you must be critical. Many recognized, refereed journals are now available online and these are an invaluable resource. At the other end of the scale is a vast array of material posted by people who know little if anything about the topic on which they have chosen to write. So it is crucial that you remember that anyone can post anything.
- Finally, remember that the key in preparing for presentations and assignments is that you should be able to make a worthwhile contribution to the topic of debate. Whichever working practice you adopt, it is expected that you get a differentiated view on the topic!

- For preparing your assignments please find additional literature in line with the required scope and number. This list here is just a start, you need to dig deeper.
- The marks for each component will only be available until the end of the course.
- You are encouraged to take notes in class, but no recording of any kind is allowed

## **RETAKE POLICY**

If final (cumulative) mark of the course, including final exam score, is insufficient, students will be allowed to exercise their right of retake. The retake exam will cover all lectures and case-discussion topics discussed in class during the course. It will be held during the last week of the exam session and will replace the score of the final exam (so **40%** of the final grade). Acquired scores from all assignments will be summed up and the final (cumulative) grade will be given. The lecturer reserves the right to choose the form of the exam.

## **BASIC READINGS**

Bamford, D., Forrester, P., & Reid, I. (2023). Essential guide to operations management: concepts and case notes. Chicago : Taylor & Francis.

Bozarth, Cecil C., Robert B. Handfield, and Howard J. Weiss. Introduction to operations and supply chain management. Upper Saddle River, NJ: Pearson Prentice Hall, 2008.

Kleindorfer, P., Singhal, K., & Van Wassenhove, L. (2009). Sustainable Operations Management. Production and Operations Management, 482-492.

Rusell, R., & Taylor, B. (2023). Operations and Supply Chain Management. Wiley.

Schiavone, F., & Sprenger, S. (2017). Operations management and digital technologies. Production Planning & Control, 28:16, 1281-1283.

Chopra, Sunil, and Peter Meindl. Supply chain management. Strategy, planning & operation. Gabler, 2007.  
Slack, N., Chambers, S., & Johnston, R. (2010). Operations Management. Pearson Education.

**ANNEX**

**DEGREE LEVEL LEARNING OBJECTIVES**

**Learning objectives for the Bachelor of Business Management**

*Programmes:*

*International Business and Communication, Business*

*Management and Marketing, Finance*

Learning Goals	Learning Objectives
Students will be critical thinkers	LO1.1. Students will be able to understand core concepts and methods in the GSCM disciplines
	LO1.2. Students will be able to conduct a contextual analysis to identify a problem associated with their discipline, to generate managerial options and propose viable solutions
Students will be expert in their discipline	LO2.1. Students will be knowledgeable about GSCM
Students will be technologically agile	LO3.1 Students will demonstrate proficiency in SC software packages
	LO3.2. Students will be able to make decisions using appropriate IT tools
Students will be effective communicators	LO4.1. Students will be able to convey their ideas effectively through an oral presentation
	LO4.2. Students will be able to convey their ideas effectively in a written paper