1. GENERAL INFORMATION

COURSE	:	Supply Chain Management
CODE	:	IN150
SEMESTER	:	201501
INSTRUCTORS	:	**Ramos Palomino, Edgar David**
CREDITS	:	3
WEEKS	:	15
HOURS	:	3 Hours (Theory) / Week
TOTAL HOURS	:	39
AREA OR SCHOOL	:	Industrial Engineering

2. MISION AND VISION

Mission: To educate upstanding and innovative leaders with a global vision, who will transform Peru.

Vision: To be at the forefront in higher education for academic excellence and innovative capability.

3. INTRODUCTION

SCM seeks to help the student to understand the role of logistics in Supply Chain. Different issues regarding logistics, operations, marketing, procurement, warehousing and information technology will be discussed. The results from strategies in Supply Chain, collaborative and alliance, 3PL, order management and fulfillment, and other key issues will be studied. The course concludes with trends and challenges for supply chain in the future.

4. COURSE OUTCOMES

(1) Develop an understanding of the importance of logistics in the formulation of the business strategy and the conduct of supply chain operations.
(2) Develop an in-depth understanding of logistics operating areas and their interrelationship.
(3) Strengthen integrative management analytical and problem-solving skills.

This course contributes to the following "Program Outcomes":

SO (j.3) Proposals for design, development and improvements presented taking into account the state of the art, science and culture directly and indirectly associated with the environment, and includes them in the corresponding analysis and trends for the sustainability of these proposals.

5. LEARNING UNITS

UNIT No.1: Introduction, Process and Results in SCM

LEARNING OUTCOME:

Define and establish the strategic importance of logistics to achieve business success by creating value through supply chains.

TOPICS LIST:

- Introduction and concepts of SCM
- SCM overview

HOURS / WEEKS

Weeks 1, 2

UNIT No.2: Process in Supply Chain

LEARNING OUTCOME:

Analyzing, comparing and interpreting the combination of customer accommodation, market distribution, procurement, and manufacturing represents the supply chain areas that are linked and supported by logistics and lean management.

TOPICS LIST:

- CRM
- Market Distribution Strategy
- Procurement
- Manufacturing
- Logistics

HOURS / WEEKS

Week 3, 4, 5, 6, 7

UNIT No.3: Integrating the Supply Chain and Global Supply Chain

LEARNING OUTCOME:

Estimate and evaluate the concept of operational integration and global supply chain integration.

TOPICS LIST:

- Integrated Operations Planning
- Global Supply Chains

HOURS / WEEKS

Weeks 9, 10

UNIT No.4: Supply Chain Design and Collaboration

LEARNING OUTCOME:

Discuss models for integrative logistics and supply chain in a theoretical framework. Recognize how structure provides the basis for increasing the capacity of the supply chain.

TOPICS LIST:

- Network Design
- Collaboration

HOURS / WEEKS

Weeks 11, 12

UNIT No.5: Strategies and Results in SCM

LEARNING OUTCOME:

Design and provide a practical approach to support the business' decision-making within the context of supply chain management and the real world.

TOPICS LIST:

- Performance Measurement
- Risk and Sustainability
- Project Presentations

HOURS / WEEKS

Weeks 13, 14, 15

6. TEACHING METHODS

The course takes place in a total of 14 sessions. Most classes will be devoted to lectures and discussions of concepts and applications of these concepts through in-class activities. Presentations in class are requested for cases, projects and other current trend research.
Each student is expected to read assigned materials prior to class and be prepared to participate in the discussion.

At the end of the class the student is expected to have gained a clearer understanding of how supply chain is organized, integrated and how it works.
The class will combine lectures and discussions focused on critical thinking regarding assigned topics. Advanced preparation will be essential for effective class participation and an active role is requested of students.

INDIVIDUAL EXERCISE: SC MAPPING AND QUIZZES (15%)

- INDIVIDUAL SUPPLY CHAIN MAPPING EXERCISE

Each student will prepare a supply chain map for a company and one (1) of its products or services. The choice of company and product is the student's responsibility. The map will illustrate the multiple tiers of appropriate suppliers and customers in the chosen company's supply chain. A write-up explaining the role of each of the relevant supply chain management processes discussed throughout this course will accompany the map. This exercise is designed to be an ongoing assignment; in other words, students will most likely be making additions and deletions to their map throughout the

semester. Maps may be turned in during the semester for instructor evaluation/feedback/suggestions (without any grade being given), prior to the due date.

- QUIZZES

There are four quizzes planned for this course. The material for each quiz will cover any concepts from the textbook, articles, handouts, class lectures and discussions, exercises, and speakers.

Quizzes will be composed of short essay questions, fill-in-the-blank questions, and multiple choice questions. The quizzes will be in-class; there will be no make-up quizzes without a valid medical excuse, family emergency or pre-arranged instructor/student agreement.

A student's request for the instructor to review a quiz grade must be done within one (1) week of the date when the quiz is returned in class. I strongly suggest that you stay current with the assigned readings; it will make the quiz set-up/format a more enjoyable aspect of your life.

- SIMULATIONS (10%)

Simulations of supply chain operations and logistics will be performed throughout the course. An important aspect of the simulation is the post-game analysis and discussion of what occurred during the simulation and its implications.

INDIVIDUAL CASES (15%)

- GUIDELINES FOR CASE WRITE-UPS

1. The heart of your case write-up is the Executive Summary. This should be approximately two or three pages long (double spaced) and should clearly state your recommendations regarding the key issue(s) in the case and summarize the justification for your recommendations. Your goal here is to convey a manager, in brief form, what should be done and why.
2. You should include, as attachments to the Executive Summary, additional detail of your analysis that will support your recommendations. This may include charts, tables, or additional narrative to explain your analysis or to highlight the results of that analysis. Make references to the attachments, as appropriate, in the Executive Summary, so that the reader can find the detail behind your recommendations if he/she wishes.
3. Do not repeat basic information from the case; assume that the reader is a manager in the firm described in the case.
4. Format your write-up with Arial 11, 1.5 spacing and 2.5 cm margin. There is no need for a cover/binder.

- GLOBAL CASE

Case report and presentation are due for specific cases identified in the syllabus in the class session for which they are assigned. I have scheduled one global case participation; details will be explained in class.

- FINAL PROJECT (20%):

- KEY DATES:

PROPOSAL DUE: WEEK 2; FINAL DUE: LAST WEEK

The final project may be done in groups or individually (It would be best to use the same groups that you are using for class assignments. However this is not a requirement). All reports should be typed with a maximum of 15 pages (Arial 11 pt, 1.5 line-spacing).

Another important deadline is proposal due, when I expect a one page proposal from each group about their project. My objective at this stage is to make sure that you have decided by this stage on a specific project so that you can spend the remaining weeks working on it.
My expected outline for the Final Projects is discussed below:

- Analyze an existing supply chain and suggest improvement.

The project report should not be a detailed description of everything you have done but a specific set of observations and recommendations. It should begin with an executive summary no longer than one page. All details are to be put in an appendix in the form of exhibits, tables, pictures, etc.
The general guidelines for the project are as follows:

1.Executive summary

2.Define the process and the context (business unit) in which it operates.

3.A Supply Chain mapping for a product o service choice is requested.

4.What is the supply chain strategy and market of the business unit?

5.What does this imply in terms of the supply chain process you are studying?

What **&#8232**;must this process be able to do particularly well in terms of cost, time, quality, and flexibility? The headings mentioned here are broad. You are expected to identify specific dimensions along which the process is expected to do particularly well.

6.Describe the current process structure in terms of information, inventory, transportation, and location.

7.Discuss the process capabilities, given the current structure, in terms of the specific dimensions identified by you in 6.

8.Discuss existing problems and weaknesses in the current process. What additional capabilities does the process need to develop?

9.How should the process be restructured to develop these capabilities? Discuss why the changes suggested by you will have the desired effect along the key dimensions identified by you.

10.Discuss how the suggested changes should be implemented with a time line. Explain any resistance you may face in implementing the changes.

Please note that these are general guidelines. I am not looking for a project report with ten points in the sequence listed above. I have listed the points that I feel are important in most reports.

- IN-CLASS PARTICIPATION / CONTRIBUTION (5%)
In a typical class session, one or more students will be asked to begin the discussion of a selected topic. I expect you to be prepared before coming to class, especially on the dates we will have a case discussion. Criteria I will use to judge effective class participation include:

Is the participant a good listener?

Are points made relevant to the class discussion?

Are they linked to the comments of others?

Do the comments show clear evidence of appropriate and insightful analysis of the  case data?

Is there a willingness to participate?

Is there a willingness to test new ideas, or all comments "safe"?

Do comments clarify and highlight important aspects of earlier comments and lead to a clearer statement of the concepts being covered?

7. EVALUATION

FORMULA

15% (TA1) + 10% (TA2) + 15% (TA3) + 15% (EA1) + 20% (TF1) + 5% (PA1) + 20% (EB1)

GRADE BREAKDOWN	WEIGHT %
TA - ACADEMIC ASSIGNMENTS	15
TA - ACADEMIC ASSIGNMENTS	10
EA - MIDTERM EVALUATION	15
TA - ACADEMIC ASSIGNMENTS	15
TF - FINAL ASSIGNMENT	20
EB - FINAL EVALUATION	20
PA - PARTICIPATION	5

8. SCHEDULE

EVALUATION	DESCRIPTION	NUMBER EVALUATION	DATE	COMMENTS	MAKE-UP TEST
TA	ACADEMIC ASSIGNMENT	1	Week 3		NO
TA	ACADEMIC ASSIGNMENT	2	Week 6		NO
EA	MIDTERM EVALUATION	1	Week 8		YES
TA	ACADEMIC ASSIGNMENT	3	Week 12		NO
TF	FINAL ASSIGNMENT	1	Week 15		NO
EB	FINAL EVALUATION	1	Week 16		YES
PA	PARTICIPATION	1	Weekly	EVERY WEEK Evaluations	NO

9. COURSE BIBLIOGRAPHY

BASIC

BOWERSOX, Donald J. (2013) Supply chain logistics management. New York : McGraw-Hill. (658.7 BOWE 2013)

CHOPRA, SunilMeindl, Peter (2013) Supply chain management : strategy, planning, and operation. Boston : Pearson. (670.7 CHOP 2013)

COYLE, John J. (2013) Administración de la Cadena de Suministro una perspectiva logística. México, D.F. : Cengage Learning. (658.7 COYL)

DUNNE Patrick M.Lusch, Robert F. y CARVER, James R. (2011) Retailing. Mason, Ohio : Cengage South Western. (658.87 DUNN)

RECOMMENDED
(Not necessarily available in the Information Center)

BOWERSOX, Donald J. (2013) Supply chain logistics management. 4th. New York. McGraw-Hill.

5. LEARNING UNITS