

LSC @ ISEL 2017 Coursework

International Project Management (2,5 ECTS) Philippe RYCKELYNCK, France

Course Unit Code : LSC 101



Field trip to Dresser-Rand/Siemens factory included.

The training program consists of ten 2-hour lessons that will be illustrated with the teacher experience in Oil and Gas Industry.

The training program includes case studies and each lesson will be associated with a quiz.

Total Quality Management (2 ECTS) Ernst RIBBERT (Bremerhaven University of Applied Sciences, Germany)

Course Unit Code : LSC 102

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| <ul style="list-style-type: none"> - Introduction / History of TQM development - Ishikawa diagram (fishbone diagram) - FMEA (Failure mode and effects analysis) - Deming Circle and practices in industrial projects - House of Quality - SPC (Statistic process control) - Methods of Quality Engineering | <ul style="list-style-type: none"> - Availability and Reliability - Safe processes / methods to determine safe machinery processes - Introduction into important Quality Norms - Methods and machines of measurements - Personal experiences with TQM |
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Lean Management (1,5 ECTS) Doug HALES, (University of Rhode Island, USA)

Course Unit Code: LSC 103

This course is an introduction to modern approaches of problem-solving in operations, supply chain management, and logistics. The students will learn to model and analyze a system using simple computer-based software and games. The techniques covered will be the basics of the "Supply Chain Matrix", "Lean and Six Sigma", "Drum-Buffer Rope", and "CONWIP", among others. The first part of each class will be lecture style in the basics of each technique, with the second part working on a computer playing games designed to practice each technique. The student does not need strong computer or math skills to play the computer games.

International business and Shipping Logistics & SCM (4.5 ECTS) F.GOMINA (Benin)

Course Unit Code : LSC 104

This teaching, case studies included (15h), is mainly dealing with: introduction of international business in regards with the role of a port in the economy, what to look at before exporting, *Incoterms* and liner terms, the port in the economy, shipping (ships, containers, handling), fret rates (Liner terms against *incoterms*).

Human Resources Management (2 ECTS) Sean HUGHES, UK

Course Unit Code : LSC 105

The course starts with a look at how the role of a typical Human Resource Manager has changed in many organisations in the last 20 years and the consequent impact on the role of the line manager. Students will learn how the use of modern technology has allowed the

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transfer of some of the traditional tasks from Human Resource staff to line managers / team leaders.

The remainder of the sessions are dedicated to examining some of the key people skills that individuals need to possess to be successful. These skills are essential for both work and private life.

The main skills to be discussed are:- Communication, Problem Solving, Stress Management, Leadership and Team working, Time Management and preparation for Job Recruitment Interviews.

Students are invited to contribute their own ideas throughout the course. Active participation is also encouraged by using practical exercises that are designed for use in the classroom. The exercises allow students to practice the skills outlined above (particularly communication, team working and problem solving) and observe the skills for real, not just in theory.

***Business Policies* (1,5 ECTS) Frank GUERIN (ISEL, Université du Havre, France)**

Course Unit Code : LSC 106

This seminar, case studies included, is mainly dealing with:

- competition policy in Europe
- strategic diagnostic method and process
- corporate strategy
- status of logistics in creating competitive advantage.

***Logistics Information Systems* (3.5 ECTS) H.MATHIEU (ISEL, Université du Havre, France)**

Course Unit Code: LSC 107

Logistics Information Systems (3.5 ECTS) H.MATHIEU (ISEL, France) Course Unit Code: LSC 107 Introduction to information system design methods, and to the growing contribution of IS to logistics strategic/operational process optimization (10 hrs); physical, informational flow modelling, and database implantation (20 hrs).

In this course, we introduce static as well as dynamic Information System modelling. We use the UML (Unified Modelling Language) to create the models, more precisely, class and object diagrams (static modelling) as well as sequence and communication diagrams (dynamic modelling).

We will work on several case studies, covering different complexity levels. For those case studies, we will illustrate the implementation of UML diagrams by creating databases based on data static design. To verify the data models, we will experiment simple and advanced SQL (Structured Query Language) requests on a relational database software (the Postgres software).

***Retail management & Logistics* (3 ECTS) Marie-Laure BARON (ISEL, Université du Havre, France)**

Course Unit Code : LSC 108

An introduction to retail management and its implications on logistics. Includes an overview of retail marketing and organization over Europe, store and storing facilities localization, European and worldwide scale logistics organizations. Case studies support the lecture.

***Cross Cultural Management* (3 ECTS) María Ángeles SÁNCHEZ CARRASCAL (Stenden University, NL) and Nicolas BARUBE (ISEL, Université du Havre ,France)**

Course Unit Code : LSC 109

An In a globalized world, the ability to negotiate with international partners is crucial, not only to widen the personal cultural horizon but mainly to accomplish a successful negotiation. Trading with foreigners not only relies on the prospective outcomes for both counterparts, but can also

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depend on the effects of powerful Cross Cultural Management. This course will highlight the major stakes of this ability.

French Culture & History (3,5 ECTS) Nicolas BARUBE (ISEL, Université du Havre France)
Course Unit Code : LSC 110

This seminar especially focuses on the history of France and Normandy where is located Le Havre. Culturally speaking, it helps the student to understand the rich heritage of a country and a region full of listed monuments, world famous sites and great museums. In addition to this cultural aspect, they also will study the challenges France is facing and compare it with the challenges of their own country. At the end of the seminar, the students are meant to know more about a country and region they may have business with in their career as executives.

NEW !! After the success of last year field trips to DDAY beaches and the gothic city of Rouen in order to apprehend the French history and society, more field trips are scheduled for the 2017 session as shown in the document named “LSC 2017 @ ISEL-FIELD TRIPS”

Logistics Engineering (3 ECTS) Arnaud BELHOMME (ISEL, Université du Havre, France)
Course Unit Code : LSC 111

Introduction to logistics engineering : flows in supply chain, industry 4.0, role of inventory, sales and operations planning, master production schedule, manufacturing resource planning. The training program includes case studies.

Introduction to robotics (1,5 ECTS) Jean-François BRETHER (Université du Havre, France)
Course Unit Code : LSC 112

This course is an introduction to robotics and will bring a special focus on robotics for logistics applications.

After a brief history of robotics, the course will present conventional industrial robots and afterwards will address scientific, technological, societal and ethical issues of modern robotics. Many application fields of robotics will be presented through various media (humanoids; medical and military applications; precision agriculture...)

The key issues of robotics for logistics applications will then be presented in detail.

French as a Foreign language (5,5 ECTS) Eric MARTEL (Université du Havre, France)
Course Unit Code : LSC 113

This course for foreign students offers a teaching method adapted to the needs of the non speaking French students. French language is immediately put into practice to allow each student to progress quickly. The study, in a small group to stimulate conversation, of the French language is approached through the exploration of real-life documents and topics of interest

Be a chef, Master Classes (optional, 0,5 ECTS) Dedicated master classes @ famous local restaurant (“La petite auberge” <http://www.lapetiteauberge-lehavre.fr>) given by the Chef himself.

Course Unit Code : LSC 114