Profession Specifics Modules

SYSTÈMES D'INGÉNIERIE

ENGINEERING SYSTEMS

Lecturers: **Patrick SERRAFERO**

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Keywords :

Programme

Learning outcomes

Independent study

Objectifs :

Méhodes :

Core texts

Assessment

MANAGEMENT DE LA QUALITÉ

QUALITY MANAGEMENT

Lecturers: ELISABETH COUZINEAU-ZEGWAARD

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Keywords :

Programme

Learning outcomes

Independent study

Objectifs : This activity is not concerned with framed autonomy activities outside personal work.

Méhodes : This activity is not concerned with framed autonomy activities outside personal work.

Core texts

Assessment

MANAGEMENT DE L'ENTREPRISE INDUSTRIELLE

OPERATIONS & INFORMATION MANAGEMENT (OPIM)

Lecturers: ELISABETH COUZINEAU-ZEGWAARD

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Keywords :

Programme

Learning outcomes

Independent study

Objectifs : This activity is not concerned with framed autonomy activities outside personal work.

Méhodes : This activity is not concerned with framed autonomy activities outside personal work.

Core texts

Assessment

INTELLIGENCE ÉCONOMIQUE ET PROTECTION DE L'INFORMATION

BUSINESS INTELLIGENCE AND INFORMATION PROTECTION

Lecturers: Laure FLANDRIN

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Make engineers aware of the need for companies to collect, process and disseminate relevant information through various forms of business intelligence, and to take into account the strategic importance of protecting knowledge and know-how. Understand the mechanisms of industrial property (patents, trademarks, models and copyrights, etc.).

Keywords : Information system, intellectuel property, patent, trade mark, model

Programme

Economic intelligence
Intellectual Property
Information system security

Learning outcomes

- Understand the scope of economic intelligence
- Understand the mecanisms of intellectual property
- Be able to apply for a patent, a trade mark or a copy right

Independent study

Objectifs : Implement concepts

Méhodes : Case studies

Core texts

LORHO, T., *PROFESSION CAMÉLÉON - DE LA DGSE À L'INTELLIGENCE ÉCONOMIQUE*, FAYARD, 2015
HARBULOT, C. *MANUEL D'INTELLIGENCE ÉCONOMIQUE*, PUF , 2015
POLLAUD-DULIAN, F.*LA PROPRIÉTÉ INDUSTRIELLE - PROPRIÉTÉ INTELLECTUELLE*, ECONOMICA, 2010

Assessment

Case studies

DROIT DE L'ENTREPRISE

COMPANY LAW

Lecturers: **Sylvie MIRA**

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

The course aims to bring basics notions on corporate law and its institutions

Keywords : Business law, tax law, social law

Programme

Business law
Tax law
Social law

Learning outcomes

- Be able to understand regulation for companies: organisation and process
- Be able to understand basis for business law and social law
- Be aware of important points in a contract

Independent study

Objectifs : Be able to understand legal documents

Méhodes : Case Studies

Core texts

BRAUD, A., *L'ESSENTIEL DU DROIT COMMERCIAL ET DES AFFAIRES*, GALINEAU, 2014
GRANDGUILLOT, D. *DROIT SOCIAL*, GALINEAU, 2014

Assessment

MANAGEMENT DES RESSOURCES HUMAINES ET DES ORGANISATIONS

ORGANISATIONS AND TEAM MANAGEMENT

Lecturers: **Philippe THIMONIER**

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Keywords :

Programme

Learning outcomes

Independent study

Objectifs :

Méhodes :

Core texts

Estelle M. MORIN, Caroline AUBE, Kevin J. JOHNSON, *PSYCHOLOGIE ET MANAGEMENT*, Chenelière Education, 2015
Jean-Pierre TAÏEB *LE PETIT RH 2021*, Dunod, 2021
Antonio R. DAMASIO*L'ERREUR DE DESCARTES (NOUVELLE ÉDITION)*, Odile Jacob (poches sciences), 2010

Assessment

RISQUES NATURELS

NATURAL RISKS

Lecturers: Richard PERKINS

| Lecturers : 14.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : AN

Objectives

The objective of this course is to present the different types of environmental hazards, and the associated risks. Prevention, forecasting and protection techniques will be presented for each type of risk.

Keywords : Hazards, risks, environment, urbanisation, volcanoes, earthquakes, avalanches, landslides, hurricanes, storms, floods

Programme

1. Definition of risk
Different types of hazard, geographical distrbution, impact, notions of frequency and intensity

2. Tectonic risks
Volcanoes, earthquakes, landlsides, avalanches

3. Meteorological and hydrological risks
Hurricanes, storms, floods, tsunamis, climatic events

Learning outcomes

- Students should understand the links between natural phenomena and their impact on human society
- For each type of risk, students should be aware of the possible ways of handling the risk (prevention, protection, prediction....) and their limitations.
- For a given location, students should be able to identify the different types of natural risk to which the population is exposed.

Independent study

Objectifs : This activity is not concerned with framed autonomy activities outside personal work.

Méhodes : This activity is not concerned with framed autonomy activities outside personal work.

Core texts

BERNSTEIN, P., *AGAINST THE GODS: THE REMARKABLE STORY OF RISK*, Wiley
SMITH, K. & PETLEY, D.N. *ENVIRONMENTAL HAZARDS: ASSESSING RISK AND REDUCING DISASTER*, Routledge
VOSE, D.*RISK ANALYSIS: A QUANTITATIVE GUIDE.*, Wiley

Assessment

Report on a subject related to natural hazards.