

Course Syllabi

1. EDCA-00233 INDUSTRIAL ECONOMY

2. Instructor:

- Andrea Maria Iñiguez Moran

3. Bibliography

- INTRODUCCIÓN A LA ECONOMÍA, GRAUE ANE, 2012
- FUNDAMENTOS DE INGENIERÍA ECONÓMICA , BLANK L ., TARQUIN A., 2012
- FUNDAMENTO DE LA INGENIERÍA ECONÓMICA, PARK CH, 2010

4. Specific Course Information

- a. The subject is divided into basic concepts of economy, business as industry, basic principles, methods of project evaluation, analysis of alternatives and a legal framework on imports and exports, capital companies and tax law. The subject contributes to the following points of professional profile: 11) Evaluate and develop industrial projects with technical and economic criteria, to estimate their feasibility. 14) Act with professional ethics, considering the social impact and ec in the areas of quality, health and safety and the environment.

- b. Prerequisites:

- MAES-00098 Statistics
- EDCA-00234 Entrepreneurship and innovation
- MAES-00096 Experimental design

5. Learning Objectives of the Course

- a. Define the fundamentals of the economy and its application in the environment of the Chemical Engineer. - Define the terms of Economic Engineering, value of money over time, equivalence, simple and compound interest, capital, Cash Flow - Make the right economic decisions according to the alternatives that they present - Know the economic tools and their application in the field of chemical engineering

- b. Learning Outcomes

1. Rd1.- evaluate and develop industrial projects with technical and economic criteria, to estimate their feasibility.
2. Rd2.-act with professional ethics, considering the social and economic impact of their professional practice, in the normative areas related to quality, health and safety and the environment.

6. Course Topics

1. Unit 1 - industrial economy terminology
2. Unity 2.- economic engineering problems
3. Unit 3 evaluation of investment
4. Unit 4.-gerential contability
5. Unit 5.- types of capital society
6. Unit 6 imports and exports
7. Unity 7. tributary law