IMM2103 ENVIRONMENTAL MANAGEMENT

Credits and contact hours: 10 UC credits / 10 hours (3 h. Lectures and 7h. Independent learning experiences)

Instructor’s name: Gustavo Lagos

Course coordinator’s name: Gustavo Lagos


Course Catalog Description: This course aims to enable the students to understand and use the concepts and tools used in environmental management in companies and at the country

Prerequisite Courses: ICS2512 Microeconomic Theory

Co-requisite Courses: None

Status in the Curriculum: Required

Course Learning Outcomes: Understand and use basic concepts and tools concerning environmental management.

Relation of Course to ABET Criteria: b. Design and conduct experiments: analyze and interpret data
c. Design a system, component, or process
d. Multidisciplinary teams
e. Identify, formulate, and solve engineering problems
f. Professional and ethical responsibility
j. Knowledge of contemporary issues
k. Techniques, skills, and modern tools for engineering practice.

Topics covered: A. Environmental risk evaluation

1. Risk evaluation basics.
2. Risk perception.
3. Probabilistic risk analysis.
5. Health risks: Regulation.
7. Risk management.
B. Tools of environmental management

2. Environmental and emission quality standards. Prevention and decontamination plans.
5. Life cycle analysis, theory.
7. Environmental risk evaluation methods.