



NATIONAL UNIVERSITY OF ENGINEERING
COLLEGE OF PETROLEUM AND PETROCHEMICAL ENGINEERING
PETROLEUM AND NATURAL GAS ENGINEERING PROGRAM

PH511 – CONSTITUTION AND LEGISLATION IN HYDROCARBONS

I. GENERAL INFORMATION

CODE	: PH511 – Constitution and Legislation in Hydrocarbons
SEMESTER	: 10
CREDITS	: 2
HOURS PER WEEK	: 2 (2 Theory)
PREREQUISITES	: None
CONDITION	: Compulsory

II. COURSE DESCRIPTION

The aim of the course is to provide the students of Petroleum and Petrochemical Engineering with a broad knowledge of the political and governmental aspects of the Peruvian Constitution, the Organic Law on Hydrocarbons and their respective regulations applicable to the oil industry. They are also made aware of the current details of the globalized world in how they can influence political aspects, commercialization and market in the oil industry. They are given a focus group approach to the current situation so that they have a clear idea of the aspects that influence favorably or unfavorably in the industry.

III. COURSE OUTCOMES

At the end of the course, students:

1. Know the Peruvian regulations in benefit of your rights and duties.
2. Know, analyze and interpret the Organic Law of Hydrocarbons along with their respective regulations applicable to the Oil Industry.
3. Analyze the influence of political, economic and social aspects in the application of new projects related to the Oil Industry.
4. Work in teams and in constant communication with their other companions
5. Know about contemporary affairs and the dynamic change of regulations or laws in the performance of society.

IV. LEARNING UNITS

1. GENERAL CONSTITUTION / 8 HOURS

Origin, Evolution / Constitutions that Peru has had. Constitution of 1979. / Human Person: Rights and Freedoms; Exceptional Regime. / Family: Concept, importance, state support; Equal rights of children; Home indeed.

2. ORGANIC LAW OF HYDROCARBONS / 8 HOURS

Organic Law of Hydrocarbons 26221, describe its Scope and implication in Petroleum Contracts and in Petrochemical Processes, its Regulations are listed and briefly described as Supreme Decrees applicable to the Oil Industry.

3. REGULATIONS (DS) OF THE ORGANIC LAW OF HYDROCARBONS 26221 / 12 HOURS

The following are detailed and explained:

DS 046-93: Environmental Protection in Hydrocarbon Activities.

DS 049-93: Application of Royalty and Remuneration in Oil Contracts

DS 051-93: Standards for the Refining and Processing of Hydrocarbons.
DS 052-93 (DS 036-2003 EM): Safety for the Storage of Hydrocarbons.
DS 055-93 (DS 032-2004-EM): Activities of Exploration and Exploitation of Hydrocarbons.
DS 056-93: Distribution of Natural Gas by pipeline network.

4. PETROLEUM CONTRACTS – Petroleum Reserves / 4 HOURS

Details of types of Petroleum Contracts, its appliance. Actual Contracts with Perupetro. Petroleum Reserves: concepts. International Classification. Country Reserves.

V. PRACTICAL EXPERIENCES

Laboratories are not considered in the development of this course. All the experiences are Theoretical-Practical, speeches, various debates about the many topics of the course.

VI. METHODOLOGY

The course is developed in sessions of theory, practice. In theory sessions, the teacher presents concepts and applications. In practical sessions, various concepts are clarified and analyzed. At the end of the course the student could develop and present a work in order to expose it as part of his qualification. In all the sessions the active participation of the student is promoted.

VII. EVALUATION FORMULA

Evaluation system: G. The final average FA is calculated as follows:

$$FA = (ME + FE + AP) / 3$$

ME: Mid-term exam FE: Final exam

AP : Average grade of practice, laboratory and field study work.

VIII. BIBLIOGRAPHY

1. **CONSTITUTION OF PERU** (WEB pages of MEM and OSINERGMIN)
2. **TEXT ORGANIC LAW OF HYDROCARBONS 26221**, VARIOUS REGULATIONS (WEB pages of MEM and OSINERGMIN).
3. **PETROLEUM CONTRACTS** (documentation of the Peruvian Association of Professional Engineers CIP -Lima).