



NATIONAL UNIVERSITY OF ENGINEERING
COLLEGE OF PETROLEUM AND PETROCHEMICAL ENGINEERING
PETROCHEMICAL 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 development of a country is identified with the consumption of fertilizers, plastics, synthetic fibers, synthetic rubbers, among other petrochemical products, which originate in oil and natural gas. The student must achieve a holistic view of the petrochemical industry through the sequential study of: synthesis, industrial manufacturing and, to a lesser extent, the commercialization of petrochemical products. Likewise, to examine the petrochemical industry as an industry that provides value for the transformation of the raw material (oil and natural gas) through its different processes towards products of greater value, and that are destined to different industrial sectors to conform final products Of greater aggregate.

III. COURSE OUTCOMES

The student:

1. Knows the Peruvian regulations in benefit of your rights and duties.
2. Knows, analyzes and interprets the Organic Law of Hydrocarbons along with their respective regulations applicable to the Oil Industry.
3. It analyzes the influence of political, economic and social aspects in the application of new projects related to the Oil Industry.
4. He works in Team and in constant Communication with his other companions
5. He knows 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. OIL CONTRACTS - PETROLEUM RESERVES / 4 HOURS

Detail of Types of Oil Contracts, their applicability; Existing contracts with Perupetro.
Oil reserves: concepts, International classification, Reservations in the Country.

V. LABORATORY AND PRACTICAL EXPERIENCES

Laboratories are not considered. All are theoretical-practical experiences, conversation, various discussions on the topics to be discussed, to involve the students.

There are 05 graded practices.

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. GRADING FORMULA

The "G" evaluation system is used. Calculation the Final Average:

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

MP: Mid-term Exam. FE: Final Exam.

AL: Average of Qualified Practices.

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).