



**NATIONAL UNIVERSITY OF ENGINEERING**  
**LIMA - PERU**  
**CENTRAL OFFICE OF REGISTERS AND STATISTICS**  
**OFFICIAL TRANSCRIPT**

COLLEGE: PETROLEUM, NATURAL GAS AND PETROCHEMICAL ENGINEERING  
PROGRAM: PETROCHEMICAL ENGINEERING                      STUDENT CODE: 20101268C  
GIVEN NAMES: CESAR WILBERT                                      ADMISSION YEAR: 2010  
SURNAME: LAZARTE HERMITAÑO                                      PAGE: 1 OF 2 - 2 OF 2

| COURSE CODE | COURSE                                    | CRED | GRADE | DATE   |
|-------------|---|------|-------|--------|
| PPF111A     | PHYSICS I                                 | 05   | 10.4  | 2010-2 |
| PPH111A     | TECHNICAL DRAWING                         | 02   | 14.6  | 2010-2 |
| PPH112A     | COMMUNICATION AND WRITING                 | 02   | 14.1  | 2010-2 |
| PPM111A     | CALCULUS I                                | 05   | 11.3  | 2010-2 |
| PPQ112A     | CHEMISTRY                                 | 06   | 12.9  | 2010-2 |
| PPM122A     | ANALYTIC VECTOR GEOMETRY                  | 04   | 11.5  | 2010-3 |
| PPF121A     | PHYSICS II                                | 05   | 16.0  | 2011-1 |
| PPH121A     | DESCRIPTIVE GEOMETRY                      | 03   | 11.0  | 2011-1 |
| PPM121A     | CALCULUS II                               | 05   | 12.2  | 2011-1 |
| PPQ122A     | INORGANIC CHEMISTRY                       | 05   | 13.7  | 2011-1 |
| PPF211A     | PHYSICS III                               | 05   | 10.8  | 2011-2 |
| PPG211B     | GENERAL GEOLOGY                           | 04   | 14.4  | 2011-2 |
| PPM212A     | CALCULUS III                              | 05   | 10.6  | 2011-2 |
| PPM222A     | APPLIED STATISTICS                        | 04   | 16.0  | 2011-2 |
| PPQ211A     | QUALITATIVE CHEMICAL ANALYSIS             | 04   | 12.5  | 2011-2 |
| PPM221A     | DIFFERENTIAL EQUATIONS                    | 05   | 11.4  | 2011-3 |
| PPM211B     | ALGORITHMS AND COMPUTER PROGRAMMING       | 03   | 14.6  | 2012-1 |
| PPP212A     | TECHNOLOGIES OF HYDROCARBONS INDUSTRY     | 03   | 16.5  | 2012-1 |
| PPQ221A     | PHYSICAL CHEMISTRY I                      | 05   | 14.8  | 2012-1 |
| PPQ222A     | QUANTITATIVE CHEMICAL ANALYSIS            | 04   | 13.0  | 2012-1 |
| PPQ311A     | ORGANIC CHEMISTRY I                       | 05   | 13.7  | 2012-1 |
| PEP307A     | BUSINESS ECONOMICS                        | 03   | 15.6  | 2012-2 |
| PPQ312A     | PHYSICAL CHEMISTRY II                     | 05   | 14.8  | 2012-2 |
| PPQ313A     | MASS AND ENERGY BALANCE                   | 03   | 11.0  | 2012-2 |
| PPQ314A     | INDUSTRIAL MATERIALS                      | 03   | 15.3  | 2012-2 |
| PPQ322A     | ORGANIC CHEMISTRY II                      | 05   | 12.7  | 2012-2 |
| PEP407A     | BUSINESS ADMINISTRATION                   | 03   | 15.3  | 2013-1 |
| PPP324A     | RESERVOIRS I                              | 05   | 13.1  | 2013-1 |
| PPQ321A     | THERMODYNAMICS FOR CHEMICAL ENGINEERING I | 04   | 14.0  | 2013-1 |
| PPQ323A     | TRANSPORT PHENOMENA                       | 04   | 14.4  | 2013-1 |

| COURSE CODE                 | COURSE   | CRED | GRADE | DATE   |
|-----------------------------|--|------|-------|--------|
| PPQ324B                     | CORROSION  | 03   | 15.9  | 2013-1 |
| PPQ422A                     | POLYMERS   | 03   | 14.3  | 2013-1 |
| PHC412B                     | PHYSICAL CHEMICAL PROPERTIES OF HYDROCARBONS     | 04   | 14.6  | 2013-2 |
| PPM311A                     | NUMERICAL METHODS                                | 03   | 12.0  | 2013-2 |
| PPP412A                     | NATURAL GAS AND CONDENSATES I                    | 03   | 13.3  | 2013-2 |
| PPP415A                     | RESERVOIRS II                                    | 05   | 15.5  | 2013-2 |
| PPQ412A                     | THERMODYNAMICS FOR CHEMICAL ENGINEERING II       | 04   | 13.5  | 2013-2 |
| PPQ413A                     | MOMENTUM TRANSFER                                | 03   | 15.8  | 2013-2 |
| PPQ414A                     | HEAT TRANSFER                                    | 04   | 16.2  | 2013-2 |
| PHC423A                     | BASIC PETROCHEMISTRY                             | 04   | 15.4  | 2014-1 |
| PHC424A                     | PETROLEUM REFINING PROCESS I                     | 04   | 16.6  | 2014-1 |
| PHC516A                     | NATURAL GAS PROCESS                              | 04   | 15.5  | 2014-1 |
| PPH511A                     | CONSTITUTION AND HYDROCARBON LEGISLATION         | 02   | 15.0  | 2014-1 |
| PPI135A                     | LABORATORY OF UNIT OPERATIONS I                  | 02   | 14.5  | 2014-1 |
| PPI510A                     | PROCESS ECONOMICS                                | 04   | 15.9  | 2014-1 |
| PPQ421A                     | CHEMICAL KINETICS AND REACTOR DESIGN             | 04   | 10.3  | 2014-1 |
| PPQ423A                     | MASS TRANSFER                                    | 03   | 14.2  | 2014-1 |
| PHC515A                     | PETROLEUM REFINING PROCESS II                    | 03   | 16.4  | 2014-2 |
| PHC527A                     | PETROCHEMICAL PROCESSES                          | 04   | 12.1  | 2014-2 |
| PHC528A                     | ENVIRONMENTAL MANAGEMENT AND CONTROL IN INDUSTRY | 04   | 12.7  | 2014-2 |
| PPI136A                     | LABORATORY OF UNIT OPERATIONS II                 | 02   | 11.6  | 2014-2 |
| PPI415A                     | CONTROL INSTRUMENTS                              | 03   | 12.0  | 2014-2 |
| PPI425A                     | PROCESS CONTROL                                  | 04   | 12.1  | 2014-2 |
| PPM511A                     | APPLIED COMPUTING AND SIMULATION TECHNIQUES      | 03   | 12.7  | 2014-2 |
| PPO521A                     | PROJECT DESIGN                                   | 04   | 16.1  | 2014-2 |
| STUDENT CONDITION: BACHELOR |  |      |       |        |

\*\*\*\*\*

This transcript contains only passed courses. It does not accredit program culmination nor academic nor professional degree attainment. Any amendment or annotation made before or after the closing line made up by asterisks (\*\*\*\*\*) definitively invalidate the contents of this document.

One credit is equivalent to one weekly hour of theory lecture or two weekly hours of practice or laboratory work.

Grading system:

|                   |             |    |
|-------------------|-------------|----|
| From 14.0 to 20.0 | Excellent   | A+ |
| From 13.0 to 13.9 | Very Good   | A  |
| From 11.0 to 12.9 | Good        | B  |
| From 10.0 to 10.9 | Passed      | C  |
| From 06.0 to 09.9 | Disapproved | D  |
| From 00.0 to 05.9 | Failed      | E  |

Minimum approving grade: 10

Every page signed and sealed by the Registrar.

Signed and Stamped

-----

University Secretary

Signed and Stamped

-----

Faculty Dean

Lima, October 21, 2015

B-0061792

B-0061793

Stamp on the back of the document:

Central Office of Registers and Statistics