



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

COLLEGE: CHEMICAL AND TEXTILE ENGINEERING  
PROGRAM: CHEMICAL ENGINEERING STUDENT CODE: 20114003C  
GIVEN NAMES: MIGUEL EDUARDO ADMISSION YEAR: 2011  
SURNAME: SOTO MORENO PAGE: 1 OF 2 - 2 OF 2

| COURSE CODE | COURSE                                           | CRED | GRADE | DATE   |
|-------------|--------------------------------------------------|------|-------|--------|
| QAU511B     | TECHNICAL DRAWING                                | 02   | 13.2  | 2011-1 |
| QFI203B     | PHYSICS I                                        | 05   | 13.4  | 2011-1 |
| QMA113B     | MATHEMATICS I                                    | 04   | 17.3  | 2011-1 |
| QMA114B     | BASIC MATHEMATICS I                              | 03   | 18.6  | 2011-1 |
| QPI100A     | CHEMICAL AND TEXTILE ENGINEERING, INTRODUCT      | 01   | 15.0  | 2011-1 |
| QPI118B     | INFORMATION SYSTEMS AND TECHNICAL REPORTS        | 02   | 15.0  | 2011-1 |
| QQU116B     | CHEMISTRY I                                      | 03   | 16.1  | 2011-1 |
| QQU117B     | LABORATORY OF CHEMISTRY I                        | 01   | 15.0  | 2011-1 |
| QEM711B     | INTRODUCTION TO MECHANICAL DRAWING               | 03   | 12.9  | 2011-2 |
| QFI204B     | PHYSICS II                                       | 05   | 12.5  | 2011-2 |
| QMA123B     | MATHEMATICS II                                   | 04   | 13.9  | 2011-2 |
| QMA124B     | BASIC MATHEMATICS II                             | 03   | 13.9  | 2011-2 |
| QMA713D     | COMPUTER PROGRAMMING                             | 03   | 18.0  | 2011-2 |
| QQU118B     | CHEMISTRY II                                     | 03   | 18.4  | 2011-2 |
| QQU119B     | LABORATORY OF CHEMISTRY II                       | 01   | 14.4  | 2011-2 |
| QMA133A     | MATHEMATICS III                                  | 06   | 17.7  | 2011-3 |
| QEP307B     | MICROECONOMY                                     | 04   | 15.6  | 2012-1 |
| QFI403A     | PHYSICS III                                      | 05   | 14.2  | 2012-1 |
| QMA612A     | STATISTICS AND DESIGN OF EXPERIMENTS             | 04   | 18.6  | 2012-1 |
| QQU214A     | INORGANIC CHEMISTRY                              | 04   | 16.0  | 2012-1 |
| QQU215A     | LABORATORY OF INORGANIC CHEMISTRY                | 01   | 14.3  | 2012-1 |
| QQU425A     | PHYSICAL CHEMISTRY I                             | 04   | 16.6  | 2012-1 |
| QEE102A     | ELECTRICAL CIRCUITS AND INDUSTRIAL INSTALLATIONS | 03   | 12.5  | 2012-2 |
| QFI152A     | INTRODUCTION TO MODERN PHYSICS                   | 04   | 16.4  | 2012-2 |
| QMA143A     | MATHEMATICS IV                                   | 04   | 18.5  | 2012-2 |
| QPA714C     | OPERATIONS RESEARCH I                            | 03   | 13.1  | 2012-2 |
| QPI111A     | MASS AND ENERGY BALANCE                          | 03   | 16.2  | 2012-2 |
| QQU426A     | LABORATORY OF PHYSICAL CHEMISTRY I               | 01   | 16.1  | 2012-2 |
| QQU324B     | ORGANIC CHEMISTRY I                              | 04   | 18.6  | 2012-3 |

| COURSE CODE | COURSE                                       | CRED | GRADE | DATE   |
|-------------|----------------------------------------------|------|-------|--------|
| QPI523A     | CALCULATIONS IN CHEMICAL ENGINEERING I       | 04   | 16.0  | 2013-1 |
| QQU325B     | LABORATORY OF ORGANIC CHEMISTRY I            | 01   | 15.3  | 2013-1 |
| QQU434A     | PHYSICAL CHEMISTRY II                        | 04   | 15.6  | 2013-1 |
| QQU435C     | LABORATORY OF PHYSICAL CHEMISTRY II          | 01   | 15.0  | 2013-1 |
| QQU516A     | QUALITATIVE CHEMICAL ANALYSIS                | 03   | 16.3  | 2013-1 |
| QQU517A     | LABORATORY OF QUALITATIVE CHEMICAL ANALYSIS  | 01   | 14.8  | 2013-1 |
| QEC618B     | MECHANICS AND MATERIALS STRENGTH             | 05   | 15.5  | 2013-2 |
| QPI140B     | TRANSPORT PHENOMENA                          | 03   | 15.7  | 2013-2 |
| QPI216B     | THERMODYNAMICS FOR CHEMICAL ENGINEERING I    | 03   | 14.7  | 2013-2 |
| QQU334B     | ORGANIC CHEMISTRY II                         | 04   | 13.6  | 2013-2 |
| QQU335A     | LABORATORY OF ORGANIC CHEMISTRY II           | 01   | 13.6  | 2013-2 |
| QQU526A     | QUANTITATIVE CHEMICAL ANALYSIS               | 02   | 14.0  | 2013-2 |
| QQU527B     | LABORATORY OF QUANTITATIVE CHEMICAL ANALYSIS | 01   | 14.2  | 2013-2 |
| QPA113A     | METHODS ENGINEERING I                        | 04   | 15.5  | 2013-3 |
| QPI142A     | MOMENTUM TRANSFER                            | 03   | 16.5  | 2013-3 |
| QEP818B     | COSTS AND BUDGETS                            | 03   | 18.6  | 2014-1 |
| QPI143A     | HEAT TRANSFER                                | 03   | 16.9  | 2014-1 |
| QPI217B     | THERMODYNAMICS FOR CHEMICAL ENGINEERING II   | 03   | 11.8  | 2014-1 |
| QPI318B     | INDUSTRY OF CHEMICAL PROCESSES               | 05   | 12.6  | 2014-1 |
| QPI322A     | INDUSTRIAL ELECTROCHEMISTRY                  | 03   | 11.5  | 2014-1 |
| QPI513A     | INDUSTRIAL MATERIALS                         | 02   | 14.0  | 2014-1 |
| QPI721A     | BIOCHEMISTRY AND MICROBIOLOGY                | 03   | 13.8  | 2014-1 |
| QAHD65B     | CONSTITUTION AND HUMAN RIGHTS                | 02   | 13.0  | 2014-2 |
| QPA515A     | MARKETING                                    | 02   | 12.2  | 2014-2 |
| QPI144A     | MASS TRASFER                                 | 03   | 13.8  | 2014-2 |
| QPI146A     | OPERATIONS IN CHEMICAL ENGINEERING I         | 03   | 18.7  | 2014-2 |
| QPI345A     | OILS AND GREASES                             | 02   | 13.0  | 2014-2 |
| QPI515A     | CORROSION I                                  | 03   | 12.7  | 2014-2 |
| QSA633A     | INDUSTRIAL HYGIENE                           | 03   | 10.6  | 2014-2 |
| QPI135B     | LABORATORY OF UNIT OPERATIONS I              | 02   | 12.5  | 2015-1 |
| QPI225A     | CHEMICAL KINETICS AND REACTORS DESIGN I      | 03   | 14.6  | 2015-1 |
| QPI415B     | CONTROL INSTRUMENTATION                      | 03   | 13.9  | 2015-1 |
| QPI475A     | PETROLEUM AND GAS REFINING PROCESSES         | 04   | 15.0  | 2015-1 |
| QPI510A     | ECONOMICS OF CHEMICAL PROCESSES              | 03   | 17.2  | 2015-1 |
| QPI612A     | SPECIAL TOPICS IN CHEMICAL ENGINEERING       | 02   | 13.0  | 2015-1 |
| QPI911A     | TECHNOLOGY AND BUSINESS MANAGEMENT           | 04   | 10.9  | 2015-1 |
| QPA136A     | PRODUCTION PLANNING AND CONTROL              | 04   | 14.4  | 2015-2 |
| QPI136A     | LABORATORY OF UNIT OPERATIONS II             | 02   | 14.2  | 2015-2 |
| QPI147A     | MASS TRANSFER II                             | 03   | 14.3  | 2015-2 |
| QPI355A     | TREATMENT OF INDUSTRIAL WATER I              | 03   | 13.3  | 2015-2 |
| QPI365A     | POLYMERS I                                   | 03   | 13.5  | 2015-2 |
| QPI426C     | PROCESS SIMULATION AND CONTROL               | 04   | 15.6  | 2015-2 |
| QPI525A     | PLANT DESIGN                                 | 04   | 14.1  | 2015-2 |

| COURSE CODE                 | COURSE | CRED | GRADE | DATE |
|-----------------------------|--------|------|-------|------|
| STUDENT CONDITION: BACHELOR |        |      |       |      |

**Total credits: 217 (over 211 required)**

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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

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University Secretary

Signed and Stamped

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Faculty Dean

Lima, September 7, 2016

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B-0064968

Stamp on the back of the document:

Central Office of Registers and Statistics