



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

COLLEGE: MECHANICAL ENGINEERING
PROGRAM: MECHATRONICS ENGINEERING STUDENT CODE: 201345011
GIVEN NAMES: JOAQUIN RENATO ADMISSION YEAR: 2013
SURNAME: AYZANO ALCA PAGE: 1 OF 2 - 2 OF 2

COURSE CODE	COURSE	CRED	GRADE	DATE
MMB146B	DIFFERENTIAL CALCULUS	05	14.6	2013-2
MMB223E	PHYSICS I	05	12.8	2013-2
MMB312E	CHEMISTRY	04	15.6	2013-2
MMB844C	COMMUNICATION AND WRITING	01	16.6	2013-2
MMB894A	MORAL AND PROFESSIONAL ETHICS	01	18.6	2013-2
MMC505B	TECHNICAL DRAWING - DESCRIPTIVE GEOMETRY	03	16.2	2013-2
MMB147A	INTEGRAL CALCULUS	05	17.7	2014-1
MMB165B	LINEAR ALGEBRA	03	17.8	2014-1
MMB224A	PHYSICS II	05	17.1	2014-1
MMC112C	MATERIALS SCIENCE	04	15.1	2014-1
MMC401C	MACHINE ELEMENTS	01	15.6	2014-1
MMC509C	MECHANICAL DRAWING	03	13.3	2014-1
MMS112A	SOCIAL SKILLS AND LEADERSHIP	01	10.6	2014-1
MMB148B	VECTOR CALCULUS	05	19.8	2014-2
MMB226D	PHYSICS III	05	18.4	2014-2
MMB545D	OBJECT ORIENTED PROGRAMMING	04	17.3	2014-2
MMC337C	STATICS	04	17.1	2014-2
MMB155C	DIFFERENTIAL EQUATIONS	05	18.1	2015-1
MMB613C	STATISTICS AND PROBABILITIES	03	19.4	2015-1
MMC338A	DYNAMICS	04	15.9	2015-1
MMC361B	MATERIALS STRENGTH	05	19.7	2015-1
MML140B	ELECTRICAL CIRCUITS	04	15.1	2015-1
MMN121A	THERMODYNAMICS	05	17.1	2015-1
MMB158A	COMPLEX VARIABLE AND FOURIER ANALYSIS	03	18.1	2015-2
MML121B	LABORATORY OF ELECTRICAL CIRCUITS	01	15.0	2015-2
MML202D	ELECTRICAL MACHINES	04	14.8	2015-2
MML831A	ANALYSIS AND DESIGN OF ELECTRONIC CIRCUITS	05	18.5	2015-2
MMN204A	FLUID MECHANICS	04	15.2	2015-2
MMT127A	ANALYSIS AND DESIGN OF DIGITAL CIRCUITS	05	18.6	2015-2
MMB536G	NUMERICAL METHODS	03	18.5	2016-1

COURSE CODE	COURSE	CRED	GRADE	DATE
MMC216B	MANUFACTURING PROCESSES	04	14.4	2016-1
MMN310A	HEAT TRANSFER	03	12.8	2016-1
MMT136A	EMBEDDED SYSTEMS	03	14.9	2016-1
MMT235A	CLASSIC CONTROL	03	16.8	2016-1
MMT247B	SENSORS AND SIGNAL CONDITIONING	03	15.7	2016-1
MMT516A	DYNAMICS OF MULTIBODY SYSTEMS	03	17.3	2016-1
MMC571B	MECHANICAL VIBRATIONS	03	11.0	2016-2
MML839A	POWER ELECTRONICS	03	14.0	2016-2
MMN465A	LABORATORY OF MECHANICAL ENGINEERING	01	12.7	2016-2
MMT227B	MODERN AND OPTIMAL CONTROL	03	16.3	2016-2
MMT242A	ELECTRO-HYDRAULIC AND ELECTRO-PNEUMATIC SYSTEMS	04	17.7	2016-2
MMT417A	DIGITAL SIGNAL PROCESSING	03	17.0	2016-2
MMC516D	FINITE ELEMENTS	03	18.1	2017-1
MMC601E	RESEARCH METHODOLOGY	02	15.0	2017-1
MMC751A	METHODS ENGINEERING	03	16.5	2017-1
MMS213C	ENGINEERING ECONOMICS AND FINANCE	02	17.0	2017-1
MMS614B	ENVIRONMENT AND SUSTAINABILITY	02	13.7	2017-1
MMT325A	DESIGN OF REAL TIME SYSTEMS	03	15.0	2017-1
MMT335B	DATA COMMUNICATIONS AND INDUSTRIAL NETWORKS	03	15.9	2017-1
MMT418A	DIGITAL SIGNAL PROCESSORS	03	15.4	2017-1
MMT517A	ROBOT ANALYSIS AND CONTROL	03	15.5	2017-1
MMT736B	RECONFIGURABLE MANUFACTURING SYSTEMS	03	16.3	2017-1
MXP200	CO-OP EXPERIENCE II	01	--	2017-1
MMT146	PROGRAMMABLE LOGIC DEVICES	03	TRAS	2017-2
MMT335	DATA COMMUNICATIONS AND INDUSTRIAL NETWORKS	03	TRAS	2017-2
MMT618	MOTION PLANNING	04	TRAS	2017-2
MMT723	DESIGN OF AUTOMATIC MACHINES	04	TRAS	2017-2
MMC589A	DESIGN OF MACHINE ELEMENTS	05	18.3	2018-1
MMS311B	CONSTITUTION AND BUSINESS LAW	01	15.4	2018-1
MMS525C	QUALITY INTEGRAL MANAGEMENT	02	15.6	2018-1
MMT228B	DIGITAL CONTROL	03	10.5	2018-1
MMT233A	PROCESS CONTROL	03	14.0	2018-1
MMT616B	ARTIFICIAL INTELLIGENCE	04	12.9	2018-1
MMT818A	MECHATRONICS PROJECT	04	13.3	2018-1
MXA200	DIVERSE ACTIVITIES	02	--	2018-1
STUDENT CONDITION: GRADUATE				

Total Credits: 212 (over 210 required)

Observation: Senior students are allowed to matriculate in courses in parallel with their prerequisites in the last year of study.

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, January 23, 2019

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