



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

COLLEGE: MECHANICAL ENGINEERING

PROGRAM: MECHANICAL-ELECTRICAL ENGINEERING      STUDENT CODE: 20100288K

GIVEN NAMES: JAVIER SEBASTIAN      ADMISSION YEAR: 2010

SURNAME: BAZAN ESPINOZA      PAGE: 1 OF 2 - 2 OF 2

COURSE CODE	COURSE	CRED	GRADE	DATE
MMB223D	PHYSICS I	05	10.6	2010-1
MMB312H	CHEMISTRY	04	11.4	2010-1
MMB844C	COMMUNICATION AND WRITING	01	16.5	2010-1
MMB894D	MORAL AND PROFESSIONAL ETHICS	01	19.0	2010-1
MMC505C	TECHNICAL DRAWING AND DESCRIPTIVE GEOMETRY	03	12.2	2010-1
MMV113A	NAVAL FUNDAMENTALS	01	13.0	2010-1
MMB146A	DIFFERENTIAL CALCULUS	05	12.1	2010-2
MMB224D	PHYSICS II	05	11.1	2010-2
MMC112I	MATERIALS SCIENCE	04	13.7	2010-2
MMC401E	MACHINE ELEMENTS	01	14.6	2010-2
MMS112E	SOCIAL SKILLS AND LEADERSHIP	01	16.6	2010-2
MMV108A	NAVAL DRAWING	04	17.4	2010-2
MMB147D	INTEGRAL CALCULUS	05	10.0	2010-3
MMB165A	LINEAR ALGEBRA	03	11.0	2010-3
MMB148B	VECTOR CALCULUS	05	16.5	2011-1
MMB226E	PHYSICS III	05	12.2	2011-1
MMB545D	OBJECT ORIENTED PROGRAMMING	04	10.8	2011-1
MMB613C	STATISTICS AND PROBABILITIES	03	11.1	2011-1
MMC216E	MANUFACTURING PROCESSES	04	16.3	2011-1
MMC337A	STATICS	04	13.4	2011-1
MMC361A	MATERIALS STRENGTH	05	10.1	2011-2
MMB155A	DIFFERENTIAL EQUATIONS	05	13.1	2011-3
MMC338A	DYNAMICS	04	10.7	2011-3
MMB536G	NUMERICAL METHODS	03	11.7	2012-1
MMN204B	FLUID MECHANICS	04	12.5	2012-1
MMV476A	NAVAL STRUCTURES I	04	14.7	2012-1
MMC512F	MECHANICAL DRAWING II	03	15.0	2012-2
MMC516D	FINITE ELEMENTS	03	17.5	2012-2
MML114A	ANALYSIS OF ELECTRICAL CIRCUITS I	05	11.3	2012-2
MMN114B	THERMODYNAMICS I	05	13.0	2012-2
MMN217A	FLUID MECHANICS II	03	12.8	2012-2

COURSE CODE	COURSE	CRED	GRADE	DATE
MML115A	ANALYSIS OF ELECTRICAL CIRCUITS II	05	12.5	2012-3
MML124B	LABORATORY OF ELECTRICAL CIRCUITS I	01	15.3	2013-1
MML214A	STATIC ELECTRICAL MACHINES	04	13.3	2013-1
MML432A	INTERIOR ELECTRICAL INSTALLATIONS	03	15.8	2013-1
MML837A	INDUSTRIAL ELECTRONICS I	04	10.4	2013-1
MMN116A	THERMODYNAMICS II	03	13.6	2013-1
MMN310C	HEAT TRANSFER	03	11.6	2013-1
MMN412A	LABORATORY OF MECHANICAL ENGINEERING I	01	13.5	2013-1
MMC601C	RESEARCH METHODOLOGY	02	15.0	2013-2
MML125A	LABORATORY OF ELECTRICAL CIRCUITS II	01	15.2	2013-2
MML223B	LABORATORY OF STATIC ELECTRICAL MACHINES	01	14.5	2013-2
MML244A	ROTATING ELECTRICAL MACHINES	04	13.6	2013-2
MML313A	ELECTRICAL MEASUREMENTS	02	16.0	2013-2
MML423A	LIGHTING ENGINEERING	03	16.5	2013-2
MML839A	POWER ELECTRONICS	03	12.8	2013-2
MMN136E	INTERNAL COMBUSTION ENGINES	05	10.2	2013-2
MMN232B	TURBO MACHINERY I	04	10.7	2013-2
MMN463C	LABORATORY OF MECHANICAL ENGINEERING II	01	14.8	2013-2
MMS213B	ENGINEERING ECONOMICS AND FINANCE	02	14.8	2013-2
MMC589A	DESIGN OF MACHINE ELEMENTS	05	15.3	2014-1
MMC612B	ENGINEERING PROJECTS	03	13.0	2014-1
MML253A	LABORATORY OF ROTATING ELECTRICAL MACHINES	01	14.7	2014-1
MML452A	INDUSTRIAL ELECTRICAL INSTALLATIONS	03	18.3	2014-1
MML511A	POWER SYSTEMS	04	14.5	2014-1
MML713A	HYDRO-ELECTRICAL POWER PLANTS	04	13.8	2014-1
MML951A	AUDIT OF ELECTRO-MECHANICAL SYSTEMS	03	15.4	2014-1
MMS525B	QUALITY INTEGRAL MANAGEMENT	02	15.3	2014-1
MMT221A	CONTROL ENGINEERING	03	14.0	2014-1
MMC234A	WELDING TECHNOLOGY I	05	12.5	2014-2
MML520A	TRANSMISSION LINES	03	11.0	2014-2
MML611A	ELECTRICAL CONTROL AND AUTOMATION	03	12.3	2014-2
MML633A	ELECTRICAL PROTECTION SYSTEMS	03	10.3	2014-2
MML931A	ELECTRICITY MARKET	03	14.8	2014-2
MMN163A	THERMO-ELECTRICAL POWER PLANTS	04	12.7	2014-2
MMS311D	CONSTITUTION AND BUSINESS LAW	01	17.3	2014-2
MXP100	CO-OP EXPERIENCE I	01	--	2014-2
STUDENT CONDITION: GRADUATE				

**Total Credits: 215 (over 210 required)**

- MMN204B FLUID MECHANICS (4 credits) validates MN216 FLUID MECHANICS I (4 credits)
- Observation: Senior students are allowed to matriculate in courses in parallel with their prerequisites in the last year of study.

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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, October 23, 2015

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