

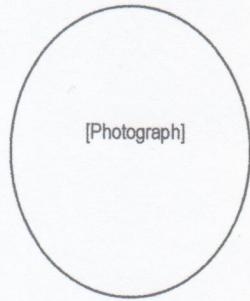
[The document is printed on watermarked paper with the University crest reading: UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO]

[University crest reading]  
**UNIVERSIDAD NACIONAL  
 AUTONOMA DE  
 MEXICO**

**OFFICE OF THE SECRETARY GENERAL  
 OFFICE OF THE DIRECTOR GENERAL OF SCHOOL ADMINISTRATION**

HEREBY CERTIFIES THAT: **UZMAR DE JESUS GOMEZ YANEZ**WITH ACCOUNT NUMBER: **3-0828714-1** FULLY COMPLETEDTHE: **BACHELOR'S DEGREE  
 IN PHYSICS**

AT THE FACULTY OF SCIENCE

WITH AN AVERAGE OF: **9.37 (NINE POINT THIRTY-SEVEN)**

[Photograph]

[Raised seal with the University crest reading:]  
**UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO**

**BY THE SCHOOL OR FACULTY**

**[Signature]**  
 MAURICIO AGUILAR GONZALEZ, ACTUARY  
 HEAD OF THE DEPT. OF PROF. STUDIES

\*\*\*\*\*

**276562**

**FOLIO:** 1840716  
**REG. NO.:** 6603  
**PAGE:** 265  
**BOOK:** 182

NUMBER	CAMPUS	CODE	CREDITS	SUBJECT	GRADE	PERIOD
01	003	0091	18	DIFFERENTIAL & INTEGRAL CALCULUS I	07	2012-1
02	003	0100	10	ALGEBRA	10	2012-1
03	003	0102	06	COMPUTER SCIENCE	10	2012-1
04	003	0244	10	ANALYTIC GEOMETRY I	08	2012-1
05	003	0092	18	DIFFERENTIAL & INTEGRAL CALCULUS II	10	2012-2
06	003	0104	06	CONTEMPORARY PHYSICS	09	2012-2
07	003	0228	12	VECTOR MECHANICS	09	2012-2
08	003	0245	10	ANALYTIC GEOMETRY II	09	2012-2
09	003	0227	06	MECHANICS LABORATORY	10	2013-1
10	003	0302	12	COLLECTIVE PHENOMENA	10	2013-1
11	003	0303	06	COLLECTIVE PHENOMENA LABORATORY	09	2013-1
12	003	0005	10	LINEAR ALGEBRA I	10	2013-2
13	003	0162	10	DIFFERENTIAL EQUATIONS I	08	2013-2
14	003	0584	12	OPTICS	09	2013-2
15	003	0006	10	LINEAR ALGEBRA II	10	2014-1
16	003	0093	18	DIFFERENTIAL & INTEGRAL CALCULUS III	07	2014-1
17	003	0419	12	ELECTROMAGNETISM I	09	2014-1
18	003	0420	06	ELECTROMAGNETISM LABORATORY	10	2014-1
19	003	0085	10	TENSOR CALCULUS	09	2014-2
20	003	0094	18	DIFFERENTIAL & INTEGRAL CALCULUS IV	07	2014-2
21	003	0582	12	INTRODUCTION TO QUANTUM PHYSICS	10	2014-2
22	003	0583	06	OPTICS LABORATORY	10	2014-2
23	003	0612	12	THERMODYNAMICS	09	2014-2
24	003	0610	10	ADVANCED MATHEMATICS OF PHYSICS	10	2015-1
25	003	0715	12	COMPUTATIONAL PHYSICS	10	2015-1
26	003	0717	12	QUANTUM MECHANICS	09	2015-1
27	003	0840	10	COMPLEX VARIABLE I	10	2015-1
28	003	2037	06	SELEC. TOP. OF MATHEM.&THEOR. PHYSICS I	10	2015-1
29	003	0609	12	ELECTROMAGNETISM II	08	2015-2
30	003	0716	06	ELECTRONICS LABORATORY	10	2015-2
31	003	0829	12	STATISTICAL PHYSICS	10	2015-2
32	003	0830	06	CONTEMPORARY PHYSICS LABORATORY I	10	2015-2
33	003	0841	10	COMPLEX VARIABLE II	10	2015-2
34	003	0611	12	ANALYTICAL MECHANICS	10	2016-1
35	003	0718	06	RELATIVITY	09	2016-1
36	003	2063	06	INTROD. TO ELEMENT. PARTIC. PHYSICS I	10	2016-1
37	003	0827	12	DYNAMICS OF DEFORMABLE BODIES	10	2016-2
38	003	0828	06	ATOMIC PHYSICS & CONDENSED MATTER	09	2016-2
39	003	0900	06	NUCLEAR & SUBNUCLEAR PHYSICS	09	2016-2
40	003	0901	06	CONTEMPORARY PHYSICS LABORATORY II	10	2016-2

Continued on page 2

ggg. CIUDAD UNIVERSITARIA, MEXICO CITY, ON OCTOBER 23, 2018 PAGE: 1 OF 2

BY THE OFFICE OF THE DIRECTOR GENERAL OF SCHOOL ADMINISTRATION

OFFICE OF CERTIFICATES

DIRECTOR OF CERTIFICATION AND DOCUMENTARY CONTROL

DIRECTOR GENERAL

[Signature]

[Signature]

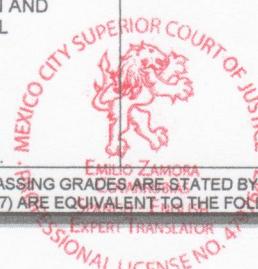
[Signature]

MARGARITA VAZQUEZ SEDAS

AGUSTIN MERCADO, P.A.

IVONNE RAMIREZ WENCE

PURSUANT TO ARTICLE 3 AND TRANSITORY ARTICLE 2 OF THE GENERAL EXAMINATION REGULATIONS, PASSING GRADES ARE STATED BY NUMBERS: 6, 7, 8, 9 &amp; 10. THE MINIMUM PASSING GRADE IS 6. GRADES OBTAINED BEFORE ENFORCEMENT OF THE AFOREMENTIONED ARTICLES (JULY 1997) ARE EQUIVALENT TO THE FOLLOWING: VG=10, G=8, S=6.



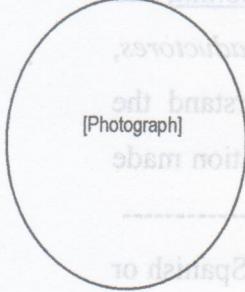
**OFFICE OF THE SECRETARY GENERAL  
OFFICE OF THE DIRECTOR GENERAL OF SCHOOL ADMINISTRATION**

[University crest reading:]  
**UNIVERSIDAD NACIONAL  
AUTONOMA DE  
MEXICO**

HEREBY CERTIFIES THAT: **UZMAR DE JESUS GOMEZ YANEZ**  
WITH ACCOUNT NUMBER: **3-0828714-1** **FULLY COMPLETED**  
THE: **BACHELOR'S DEGREE**  
**IN PHYSICS**  
AT THE FACULTY OF SCIENCE  
WITH AN AVERAGE OF: **9.37 (NINE POINT THIRTY-SEVEN)**

NUMBER	CAMPUS	CODE	CREDITS	SUBJECT	GRADE	PERIOD
41	003	2036	06	TOPOLOGY & DIFFER. GEOMETRY FOR PH.	10	2016-2
42	003	0354	00	ENGLISH LANGUAGE	AC	2017-1
43	003	2026	06	SELEC.TOP. RELAT. COSMOL. GRAVIT. I	10	2017-1
44	003	2074	06	SELEC.TOP. OF COMPUTAT. PHYSICS I	10	2017-1
*****	*****	*****	*****	*****	*****	*****

[Photograph]



[Raised seal with the University crest reading:]  
**UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO**

BY THE SCHOOL/FACULTY

[Signature]

MAURICIO AGUILAR GONZALEZ, ACTUARY  
HEAD OF THE DEPT. OF PROF. STUDIES

\*\*\*\*\*

276563

FOLIO: 1840716  
REG. NO.: 6603  
PAGE: 265  
BOOK: 182

OFFICE OF CERTIFICATES

DIRECTOR OF CERTIFICATION AND  
DOCUMENTARY CONTROL

DIRECTOR GENERAL

[Signature]

[Signature]

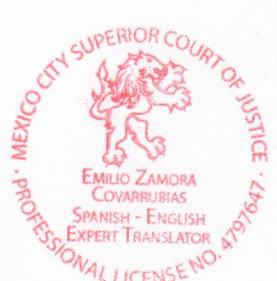
[Signature]

MARGARITA VAZQUEZ SEDAS

AGUSTIN MERCADO, P.A.

IVONNE RAMIREZ WENCE

PURSUANT TO ARTICLE 3 AND TRANSITORY ARTICLE 2 OF THE GENERAL EXAMINATION REGULATIONS, PASSING GRADES ARE STATED BY NUMBERS: 6, 7, 8, 9 & 10. THE MINIMUM PASSING GRADE IS 6. GRADES OBTAINED BEFORE ENFORCEMENT OF THE AFOREMENTIONED ARTICLES (JULY 1997) ARE EQUIVALENT TO THE FOLLOWING: VG=10, G=8, S=6.



OFFICE OF THE SECRETARY GENERAL  
OFFICE OF THE DIRECTOR GENERAL OF SCHOOL ADMINISTRATION  
**CERTIFICATION**

I, Emilio Zamora Covarrubias, of Calzada del Hueso 859, Interior 2101, Colonia Ex Hacienda Coapa, Tlalpan, C.P. 14324, Mexico City, Telephone Number +(52-55) 5603-2243, e-mail [emiliozamorac@gmail.com](mailto:emiliozamorac@gmail.com), Expert Translator duly authorized by the council of the Superior Court of Justice for Mexico City, as published in the Official Gazette of the Federation on March 23, 2018, with Registration No. 188, <http://www.iejcdmx.gob.mx>, and member of the Mexican Translators Organization (*Organización Mexicana de Traductores, OMT*), <http://www.omt.org.mx>, MAKE OATH AND SAY that I well understand the English and Spanish languages and that it is an accurate, true and correct translation made by me of the original document(s).-----

This translation is not intended to prove the accuracy of the source document in Spanish or to certify that the contents thereof are authentic.-----

Mexico City, November 15, 2018.-----

*Authorized Certification Seal*



*Emilio Zamora Covarrubias*  
**EMILIO ZAMORA COVARRUBIAS**  
EXPERT TRANSLATOR

PAGE: 2 OF 3 CIUDAD UNIVERSITARIA, MEXICO CITY, ON OCTOBER 22, 2018

DIRECTOR OF CERTIFICATION AND  
DOCUMENTARY CONTROL

OFFICE OF CERTIFICATE

[Signature]

[Signature]

[Signature]

MARGARITA VASCONES SEADES  
SIGNANT D'ARTICLE 3 YANDE DIRECTORY ARTICLE 3 OF THE GENERAL EXAMINATION REGULATIONS PASSING GRADES ARE STATED BY NUMBERS 6, 7, 8 & 10. THE MINIMUM PASSING GRADE IS 8. GRADES OBTAINED BEFORE THE EXAMINATION OF THE EXAMINATIONS ARTICLES (I JULY 1981) ARE EQUIVALENT TO THE FOLLOWING: NO. 10, G-8, G-9 &



UNIVERSIDAD NACIONAL  
AUTÓNOMA DE  
MÉXICO



POR LA ESCUELA O FACULTAD

*Mauricio Aguilar González*  
ACT. MAURICIO AGUILAR GONZALEZ  
JEFE DE LA DIV. DE ESTUDIOS PROF.

\*\*\*\*\*

**276562**

FOLIO: 1840716  
REG. NUM.: 6603  
FOJA: 265  
LIBRO: 182

SECRETARIA GENERAL  
DIRECCION GENERAL DE ADMINISTRACION ESCOLAR  
**UZMAR DE JESUS GOMEZ YAÑEZ**  
CERTIFICA QUE:  
CON NUMERO DE CUENTA: 3-0828714-1  
ACREDITO: INTEGRAMENTE  
LOS ESTUDIOS DE LICENCIATURA  
DE FISICO  
EN LA FACULTAD DE CIENCIAS  
CON UN PROMEDIO DE: **9.37 (NUEVE PUNTO TREINTA Y SIETE)**

NUMERO	PLANTELO	CLAVE	CREDITOS	NOMBRE DE LA ASIGNATURA	CALIFICACION	PERIODO
01	003	0091	18	CALCULO DIFERENCIAL E INTEGRAL I	07	2012-1
02	003	0100	10	ALGEBRA	10	2012-1
03	003	0102	06	COMPUTACION	10	2012-1
04	003	0244	10	GEOMETRIA ANALITICA I	08	2012-1
05	003	0092	18	CALCULO DIFERENCIAL E INTEGRAL II	10	2012-2
06	003	0104	06	FISICA CONTEMPORANEA	09	2012-2
07	003	0228	12	MECANICA VECTORIAL	09	2012-2
08	003	0245	10	GEOMETRIA ANALITICA II	09	2012-2
09	003	0227	06	LABORATORIO DE MECANICA	10	2013-1
10	003	0302	12	FENOMENOS COLECTIVOS	10	2013-1
11	003	0303	06	LABORATORIO DE FENOMENOS COLECTIV.	09	2013-1
12	003	0005	10	ALGEBRA LINEAL I	10	2013-2
13	003	0162	10	ECUACIONES DIFERENCIALES I	08	2013-2
14	003	0584	12	OPTICA	09	2013-2
15	003	0006	10	ALGEBRA LINEAL II	10	2014-1
16	003	0093	18	CALCULO DIFERENCIAL E INTEGRAL III	07	2014-1
17	003	0419	12	ELECTROMAGNETISMO I	09	2014-1
18	003	0420	06	LABORATORIO DE ELECTROMAGNETISMO	10	2014-1
19	003	0085	10	CALCULO TENSORIAL	09	2014-2
20	003	0094	18	CALCULO DIFERENCIAL E INTEGRAL IV	07	2014-2
21	003	0582	12	INTRODUCCION A LA FISICA CUANTICA	10	2014-2
22	003	0583	06	LABORATORIO DE OPTICA	10	2014-2
23	003	0612	12	TERMODINAMICA	09	2014-2
24	003	0610	10	MATEMATICAS AVANZADAS D LA FISICA	10	2015-1
25	003	0715	12	FISICA COMPUTACIONAL	10	2015-1
26	003	0717	12	MECANICA CUANTICA	09	2015-1
27	003	0840	10	VARIABLE COMPLEJA I	10	2015-1
28	003	2037	06	TEM. SELEC. FISICA MATEMAT. TEOR.I	10	2015-1
29	003	0609	12	ELECTROMAGNETISMO II	08	2015-2
30	003	0716	06	LABORATORIO DE ELECTRONICA	10	2015-2
31	003	0829	12	FISICA ESTADISTICA	10	2015-2
32	003	0830	06	LABORATORIO DE FISICA CONTEMPOR. I	10	2015-2
33	003	0841	10	VARIABLE COMPLEJA II	10	2015-2
34	003	0611	12	MECANICA ANALITICA	10	2016-1
35	003	0718	06	RELATIVIDAD	09	2016-1
36	003	2063	06	INTRODUC. FISICA PARTIC. ELEMENT.	10	2016-1
37	003	0827	12	DINAMICA DE MEDIOS DEFORMABLES	10	2016-2
38	003	0828	06	FISICA ATOMICA Y MATERIA CONDENSADA	09	2016-2
39	003	0900	06	FISICA NUCLEAR Y SUBNUCLEAR	09	2016-2
40	003	0901	06	LABORATORIO DE FISICA CONTEMPOR. II	10	2016-2
Continúa en la hoja 2						

99y.

CIUDAD UNIVERSITARIA, CD. MX. A 23 DE OCTUBRE DE 2018

HOJA: 1 DE 2

POR LA DIRECCION GENERAL DE ADMINISTRACION ESCOLAR

OFICINA DE CERTIFICADOS

DIRECTOR DE CERTIFICACION Y CONTROL DOCUMENTAL

DIRECTORA GENERAL

*MARGARITA VAZQUEZ SEDAS*

*C.P. AGUSTIN MERCADO*

*LIC. IVONNE RAMIREZ WENCE*

DE CONFORMIDAD CON LOS ARTICULOS 3<sup>Y</sup> 2<sup>º</sup> TRANSITORIO DEL REGLAMENTO GENERAL DE EXAMENES, LAS CALIFICACIONES APROBATORIAS SE EXPRESAN CON LOS NUMEROS 6, 7, 8, 9 Y 10; LA MINIMA PARA ACREDITAR ES 6. LAS CALIFICACIONES OBTENIDAS ANTES DE LA VIGENCIA DE ESTOS ARTICULOS (JULIO 1997) TIENEN LA EQUIVALENCIA MEXICO 6, 7, 8, 9 Y 10.



UNIVERSIDAD NACIONAL  
AUTÓNOMA DE  
MÉXICO



POR LA ESCUELA O FACULTAD

ACT. MAURICIO AGUILAR GONZALEZ  
JEFE DE LA DIV. DE ESTUDIOS PROF.

276563

FOLIO: 1840716  
REG. NUM.: 6603  
FOJA: 265  
LIBRO: 182

99Y.

CIUDAD UNIVERSITARIA, CD. MX. A 23 DE OCTUBRE DE 2018

HOJA: 2 DE 2

POR LA DIRECCION GENERAL DE ADMINISTRACION ESCOLAR

OFICINA DE CERTIFICADOS

DIRECTOR DE CERTIFICACION Y CONTROL DOCUMENTAL

DIRECTORA GENERAL

MARGARITA VAZQUEZ SEDAS

C.P. AGUSTIN MERCADO

LIC. IVONNE RAMÍREZ WENCE

DE CONFORMIDAD CON LOS ARTICULOS 3<sup>º</sup> Y 2<sup>º</sup> TRANSITORIO DEL REGLAMENTO GENERAL DE EXAMENES, LAS CALIFICACIONES APROBATORIAS SE EXPRESAN CON LOS NUMEROS 6, 7, 8, 9 Y 10; LA MINIMA PARA ACREDITARSE SON LAS CALIFICACIONES OBTENIDAS ANTES DE LA VIGENCIA DE ESTOS ARTICULOS (JULIO 1997) Y TIENE LA EQUIVALENZA MP-10, 7 Y 8.

CERTIFICA QUE:

CON NUMERO DE CUENTA: 3-0828714-1

LOS ESTUDIOS DE LICENCIATURA

DE FISICO

EN LA FACULTAD DE CIENCIAS

CON UN PROMEDIO DE: 9.37 (NUEVE PUNTO TREINTA Y SIETE)

SECRETARIA GENERAL

DIRECCION GENERAL DE ADMINISTRACION ESCOLAR

UZMAR DE JESUS GOMEZ YAÑEZ

ACREDITO: INTEGRAMENTE

NUMERO	PLANTEI	CLAVE	CREDITOS	NOMBRE DE LA ASIGNATURA	CALIFI-CACION	PERIODO
41	003	2036	06	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	10	2016-2
42	003	0354	00	INGLES	AC	2017-1
43	003	2026	06	TEM. SELEC. RELAT.COSMOL. GRAVIT. I	10	2017-1
44	003	2074	06	TEM.SELEC.DE FISICA COMPUTACIO. I	10	2017-1

