

University of the Philippines Diliman, Quezon City Tel no. 981-8500 local 3803; Telefax 924-7674

TRUE COPY OF GRADES

SALAPARE, HERNANDO III S.

Student No.: 01-02699

Course: MS Physics

Taken at College of Scien		De avem Unite	Taken at College of Science NO ENTRY	Grade	Re-exam	Units
2 nd Semester, 2007-08	Grade	Re-exam Units	NO ENTRI	Grade	no oxum	Omic
Phys 142	1.75	3				
Phys 251	2.50	3				
Phys 290	P	1				
Phys 305	1.25	3				
No entry follows						

Remarks:

Not valid Without Dry Seal Prepared by: Precy

Date: 29 April 2008

Certified True Copy:

Imacling IVY A. MARTIREZ

Student Records Evaluator II

NOTED BY:

RONALD S. BANZON, Ph.D.

Sheet1

PROGRAM OF STUDY

NAME: Hernando Salapare III

Previous Degree: BS App. Physics -NIP

Date of Admission: 2 nd semester, AY 2007-2008

DEGREE SOUGHT: Master of Science

MAJOR: Physics

YEAR I

1st Semester

13t Delitester	
Course No.	Units

	Course No.	Units
Phys. 142	Quantum Physics II	3
Phys. 251	Statistical Mechanics I	3
Phys. 305	Graduate Elective I	3
Phys. 290	Graduate Colloquium	(1)
		9

YEAR II

1st Semester

Course No.		Units
Phys. 241	Quantum Mechanics I	3
	Graduate Elective II	3
	Physics Teaching	(1)
	N	6

2nd Semester

Course No.		Units
Phys. 242	Quantum Mechanics II	3
	Physics Teaching	(1)
		3

YEAR III (Thesis)

1st Semester

Course No.		Units
Phys. 300	Masteral Thesis	(3)
Phys. 290	Graduate Colloquium	(1)
Phys. 231	Classical Electrodynamics I	3
Phys. 221	Classical Dynamics I	3
2010-11-11-11-11-11-11-11-11-11-11-11-11-		6

2nd Semester

	Course No.	Units
Phys. 300	Masteral Thesis	(3)
Phys. 296	Graduate Seminar	(1)
Phys. 232 Classical Electrodyn	Classical Electrodynamics II	3
		3

Note:

- 1. An MS Physics student under the non-thesis option is allowed to shift to the thesis option once the student is accepted as an advisee by a member of the NIP faculty. A student is usually considered for acceptance as an advisee when he/she has demonstrated satisfactory performance in most of the core courses. The timing for such an application normally falls on the summer of the Year I of the program.
- 2. The nonthesis option curriculum requires 5 Graduate Physics Elective, while the thesis option requires only 2.
- 3. The thesis option does not include the comprehensive examination.

NOTED:

DR. HENRY S. RAMOS

Program Adviser (Signature over Printed Name)

Sheet1

PROGRAM OF STUDY

NAME: Hernando Salapare III

Previous Degree: BS App. Physics -NIP

Date of Admission: 2 nd semester, AY 2007-2008

DEGREE SOUGHT:

MAJOR: Physics

YEAR I

1st Semester

Course No.	Units
350 Agrico	STATE OF THE PERSON NAMED IN

2nd Semester

ziid Schlester		
	Course No.	Units
Phys. 142	Quantum Physics II	3
Phys. 251	Statistical Mechanics I	3
Phys. 305	Graduate Elective I	3
Phys. 290	Graduate Colloquium	(1)
		9

YEAR II

1st Semester

Course No.		Units
Phys. 241	Quantum Mechanics I	3
- 1000	Graduate Elective II	3
	Physics Teaching	(1)
		6

2nd Semester

Course No.		Units
Phys. 242	Quantum Mechanics II	3
	Physics Teaching	(1)
		3

YEAR III (Thesis)

1st Semester

Course No.		Units
Phys. 300	Masteral Thesis	(3)
Phys. 290	Graduate Colloquium	(1)
Phys. 231	Classical Electrodynamics I	3
Phys. 221	Classical Dynamics I	3
XIAIN S		6

2nd Semester

	Course No.	Units
Phys. 300	Masteral Thesis	(3)
Phys. 296	Graduate Seminar	(1)
Phys. 232	Classical Electrodynamics II	3
		3

Note:

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NOTED:

Program Adviser (Signature over Printed Name)

UNIVERSITY OFFICE OF T

UNIVERSITY OF THE PI OFFICE OF THE UNIVE	ACTUAL BEAUTION OF THE PARTY OF	FICIAL TRANSCRIPT (OF RECORD			30
Entrance Data:	20 1 25 25 25 25 25 25 25 25 25 25 25 25 25	Name SALAP Student No. 01-026	ARE, HERNAI	MDO II		
Date/Semester admitted	1st Semester, 2003-2004 /	Date & Place of Birth	March 4, 198	4; Cam	arines Sur	r
Category T	ansfer Student	Father's Name	Hernando Sal	lapare,	Sr.	
Diploma/Title/Degree		Mother's Name	Ana Siy			
High School/College University of the Philippines Manila Date graduated/last attended 2nd Semester, 2002-2003 . NCEE Rating Year Taken		Degree/Title/Course	BACHELOR OF SCIENCE IN			
		APPLIED PHYSICS .				
		Major				
S.O. No.:	Date	Date Graduated	November 2,	2007		
	COLLEGIATE	RECORD		Gra	des	9
Course Number DESCRIPT		TITLE OF THE COURS	SE	Final	Reexand nation/ Completion	Credit
	Doggardo 5 th-	University of the Philipp				

Diliman begin on page 2. ,

Entrance credential shows enrolment in:

University of the Philippines Manila 1st Semester, 2001-2002 2nd Semester, 2001-2002 1st Semester, 2002-2003 2nd Semester, 2002-2003

A certified true copy of the official transcript of records from the above school is attached as page 4. <

Remarks

1.0 - Excellent; 1.25*-1.5 - Very Good; 1.75*-2.0 - Good; 2.25*-2.5 - Satisfactory; 2.75*-3.0 - Pass; 4.0 - Conditional; 5.0 - Fail; Drp - Dropped; Inc - Incomplete. Grading System:

*Only for colleges and units officially adopting these additional grades.

Credits: One university unit of credit is one hour lecture or recitation each week for the period of a complete semester of 16 to 17 weeks, In all courses, two and a half to three hours of laboratory work, and, in technical courses, three hours of drafting or shop work, are regarded as the equivalent of one hour of recitation or lecture.

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Encoded by mfAhella Date 1/29/08 Checked by ECCahrera Date 1/31/08 AND Updated by Date jeadiz 2/11/08 Printed by Date Issued by Date MAR 17 2008

PAMELA C. CONSTANTINO, Ph. D. University Registrar

UPD-372369

Page	2	of	4	page

UNIVERSITY OF THE PHILIPPINES DILIMAN OFFICE OF THE UNIVERSITY REGISTRAR

OFFICIAL TRANSCRIPT OF RECORDS (Revised October 1994)

Name	SALAPARE, HERNANDO III SIY	
Student No.	01-02699	

DESCRIPTIVE TITLE OF THE COURSE	Final	Reexami nation/ Completion	Credits
COLLEGE OF SCIENCE			
	Cor		13
			3
			3
			3 1 5 3
		1	20
Panitikang Makabayan	1./5		0
			(3
			3 5 3
			3
			4
Fundamental Physics I Laboratory	2.5		1
Elementary Analysis III	2.5		3
General Chemistry I	2		5
		4	3
	1.25		2
Fundamental Physics II	3		4
		7.	1
Mathematical Physics I	2.5		3
Chemistry: Science that Matters		-	3
General Chemistry II			-
Fundamental Physics III		No Gr	de -
Fundamental Physics III Laboratory			1
Mathematical Physics II	3		3
Fundamental Physics III	3		4
General Chemistry II	2		5
Modern Physics I	4	3	4
Mathematical Physics III			3 3
Theoretical Mechanics I			
Electromagnetic Theory I	2.5		3
Computer Methods in Physics			4
	1.5		4
Electromagnetic Theory II	3		3
	Culture and Personality Places and Landscapes in a Changing World Laboratory in Principles of Geology Elementary Analysis I Panitikang Makabayan Prehistory of the Philippines Elementary Analysis II Physics and Astronomy for Pedestrians Fundamental Physics I Fundamental Physics I Laboratory Elementary Analysis III General Chemistry I Elementary Differential Equations Introduction to Molecular Biology Fundamental Physics II Fundamental Physics II Fundamental Physics I Chemistry: Science that Matters General Chemistry II Fundamental Physics III	COLLEGE OF SCIENCE / Culture and Personality Places and Landscapes in a Changing World Laboratory in Principles of Geology 1.25 2.25 2.25 2.25 2.25 2.25 2.25 2.25	COLLEGE OF SCIENCE Culture and Personality Places and Landscapes in a Changing World Laboratory in Principles of Geology Elementary Analysis I Panitikang Makabayan Prehistory of the Philippines Elementary Analysis II Physics and Astronomy for Pedestrians Fundamental Physics I Fundamental Physics I Laboratory Elementary Analysis III General Chemistry I Elementary Differential Equations Introduction to Molecular Biology Fundamental Physics II Fundamental Physics II Fundamental Physics II Chemistry: Science that Matters General Chemistry II Fundamental Physics III Fundamenta

1.0 - Excellent; 1.25*-1.5 - Very Good; 1.75*-2.0 - Good; 2.25*-2.5 - Satisfactory; 2.75*-3.0 - Pass; 4.0 - Conditional; 5.0 - Fail; Drp - Dropped; Inc - Incomplete. *Only for colleges and units officially adopting these additional grades. Grading System:

continued on page 3

Credits: One university unit of credit is one hour lecture or recitation each week for the period of a complete semester of 16 to 17 weeks, In all courses, two and a half to three hours of laboratory work, and, in technical courses, three hours of drafting or shop work, are regarded as the equivalent of one hour of recitation or lecture.

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Encoded by	mfAbella	Date 1/29/08
Checked by	ECCabrera	Date 1/31/08
Updated by		Date
Printed by	jeadiz	Date 2/11/08
Issued by		DateMAR 17 Z00

Remarks

UPD-372373

UNIVERSITY OF THE PHILIPPINES DILIMAN OFFICE OF THE UNIVERSITY REGISTRAR

OFFICIAL TRANSCRIPT OF RECORDS (Revised October 1994)

Name	SALAPARE, HERNANDO III SI	١

Student No. 01-02699

		Grad	es	w
Course Number	DESCRIPTIVE TITLE OF THE COURSE	Final	Restand nation/ Completion	Credits
2nd Semester, 2005-2006	(cont'n)			
Physics 141	Quantum Physics I	3		3
Physics 151	Statistical Physics I	2.5		3
Summer, 2006				
P I 100	The Life and Works of Jose Rizal	2		3
1st Semester, 2006-2007				
A Physics 156	Computer Methods in Physics II	1		4
A Physics 173	Solid State Physics	2.75		
A Physics 182	Physical Electronics II	1.25		3 4 3 3
A Physics 199	Undergraduate Research	Pass :		3
Physics 165	Optical Physics I	1.5		3
Physics 191	Experimental Physics I	1.25		4
2nd Semester, 2006-2007				
A Physics 183	Control Systems Approach to Physics Modeling	2.5		3
A Physics 185	Instrumentation Physics I	1.5		4
Biology 11	Fundamentals of Biology I	2.25		5
Physics 135	Introductory Plasma Physics	1		5
Physics 166	Optical Physics II	1		3
Physics 192	Experimental Physics II	î		3
1st Semester, 2007-2008				
A Physics 186	Instrumentation Physics II	1.75	-	4
A Physics 187	Photonics and Applied Optics	1		4
A Physics 200	Undergraduate Thesis	Pass		3
Physics 104.1	Modern Physics I Laboratory	1		1
Physics 161	Introductory Laser Physics	3		3
Physics 196	Undergraduate Seminar	1		1
	Graduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007.			
	GRADUATE PROGRAM			
2nd Semester, 2007-2008				
Physics 142	Quantum Physics II			
Physics 251	Statistical Mechanics I	In Pro	gress	
Physics 290	Graduate Colloquium			
Physics 305	Special Topics in Theoretical Physics			
IO ENTRY FOLLOWS				

1.0 - Excellent; 1.25*-1.5 - Very Good; 1.75*-2.0 - Good; 2.25*-2.5 - Satisfactory; 2.75*-3.0 - Pass; 4.0 - Conditional; 5.0 - Fail; Drp - Dropped; Inc - Incomplete.
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mfAbella Date 1/29/08 Encoded by 1/31/08 Date Checked by F.CCabrera Updated by Date cadiz 2/11/08 Date Printed by DateMAR 17 ZU08 Issued by

PAMELA C. CONSTANTINO, Ph. D. University Registrar

Remarks

University of the Philippines System
JNIVERSITY OF THE PHILIPPINES MANILA
Office of the University Registrar

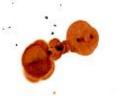
OFFICIAL TRA	ANSCRIPT	OF RECORD
(Revised March	1981)	

Entrana Data		Name SALAPARE, HERNANDO				
Entrance Data Date/Semester admitted .	1st Sem. 2001-2002	Student No. 2001-02699 Sex Male Tigaon, Date & Place of Birth March 4,1984/ Camarines S				
	ool Graduate					
	X-X-X-X-X					
High School/CollegeM	akati Science High Sch.	Degree/Title/Course X-X-X-X-	-x-x		* 4	
Date graduated/last attende	ed SY 2000-2001 /					
NCEE Rating	Year Taken	Major x-x-x-x				
		Date graduatedx-x-x-x-				
	COLLEGIATE REC	ORD	Gra	1007803	t s	
Course Number	DESCRIPTIVE T	TITLE OF THE COURSE	Final	Reexami- nation/ Completion	Credi	
	11	OF PHARMACY	± i			
1st Semester, 2001-2003 Math 17	Algebra and Trigono	metru	1.50	100	1=	
Geo 11	Principles of Geolo		1.75	11, 190	(5,	
Bot 11	General Botany		2.25		5	
Comm I Hist I	Communication Skill Philippine History		2.25)	(3)	
P.E. 1 .	Foundations of Phys	ical Fitness	1.50		(2)	
Military Science	11,	-114	2.75	-	(1.5)	
2nd Semester, 2001-2002 Math 101	L.		0.50			
Chem 14	Elementary Statisti Fundamentals of Gen		2.50	1	3.	
Chem 14.1 ·	Fundamentals of Gen	eral Chemistry I lab	2.00	1	1.	
Comm II /	Communication Skill	s	1.75		3 -	
Hist II / Suc Sci I	Asia and the World Foundations of Beha	vicral Sciences	2.50	3	3.	
Pharm 21	Elementary Pharmace		3.00		3'	
P.E. 2	Karate		1.25		(2)	
Military Science	COLLEGE OF ARTS	AND COTENCES	2.50	10	(1.5)	
st Semester,2002-2003		AND SCIENCES		va III	S - 150	
P.E. 2 Philo I	Philippine Games Philosophical Analy	eie z	1.25	~	(2)	
Physics 51.1	General Physics I 1		1.75		1-	
Physics 51	General Physics I		2.00		3-	
Comm III	Speech Communicatio		1.50		(3-)	
Hum I CMSC 10 -	Literature, Society Introduction to Int	and Individual '	2.00		3.	
CMSC 11 -	Introduction to Com		4.00	3.00	3 ,	
2nd Semester, 2002-2003						
CMSC 21 CMSC 55 /	Fundamentals of Pro	gramming < < al Structures in Comp.Sci.	2.75		3 -	
Math 73 /	Fundamentals of Ana	lysis I	2.75		5.	
Physics 52 -	General Physics II		2.25		3.	
Physics 52.1´ P.E. 2	General Physics II	Lab.	2.25	1-1	1 ′	
F.E. 2	Basketball	Sym *	2.25	o-dii	(2)	
		GERTIFIED TRUE COPY	CANAL SHOWS A			
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emarks	Cleared as of May 3	0,2003 PAMELA C. CUNS UNIVERSITY R	EGISTRAI	W.	==	
		UNIVERSITY OF THE PAU				
Grading System: 1—Excellent: 1	5-Very good: 2-Oc-4: 0 * Oc	isfactory; 3-Pass; 4-Conditional failure	1.1			
5—Failure; Inc	.—Incomplete.	istactory; 3-rass; 4-Conditional failure				
Credits: One university unit of	eredit is one hour lecture or recitat	tion each week for the period of a comp	lete seme	stor of 16	6 to 17	

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Typed by:	J.CLAUDIO	Date:	7-9-2003
Checked by:	- John -	Date:	7/9/10
Issued by:	000	Date:	7-18-42





GRADUATE OFFICE COLLEGE OF SCIENCE

University of the Philippines Diliman, Quezon City Tel no. 981-8500 local 3803; Telefax 924-7674

TRUE COPY OF GRADES

PABELIÑA, KAREL G.

Student No.: 02-53868

Course: MS Physics

Taken at College of Science			Taken at College of Science			
2 nd Semester, 2007-08	Grade Re-exam	Units	1st Semester, 2008-09	Grade	Re-exam	Units
Phys 141	3.0	3	Phys 221	2.25		3
Phys 290	Р	1	Phys 231	4.0		
Phys 305	1.25	3	Phys 290	Р		1
No entry follows			Phys 295	1.0		3
PATCHACTURES - CARCOSSINOUS ON UP			No entry follows			
Taken at College of Science			Taken at College of Science			
2 nd Semester, 2008-09			1st Semester, 2009-2010			
Phys 151	2.0	3	Phys 231	1.25		3
Phys 142	2.25	3	Phys 241	2.25		
MSE 298	1.25	3	Phys 300 (Thesis)	Р		6
Phys 296	1.0	1	Phys 210.1	Р		2
No entry follows			No entry follows			
Taken at College of Science			Taken at College of Science			
2 nd Semester, 2009-2010			Summer, 2010			
Phys 251	2.5	3	Residence			
Phys 232	1.5	3				
Phys 242	1.5	3				
Phys 210.2	P	3				
No entry follows						

Remarks:

Candidate for Graduation Summer, 2010

Prepared by Precy Date: 05 July 2010

Certified True Copy:

Student Records Evaluator II Date: 05 July 2010

NOTED BY:

RONALD'S. BANZON, Ph.D.

UNIVERSITY OF THE PHILIPPINES DILIMAN OFFICE OF THE UNIVERSITY REGISTRAR

OFFICIAL TRANSCRIPT OF RECORDS (Revised October 1994)



		Name SALAPARE, HEI	RNANDO III	SIY		
Entrance Data:		Student No. 01-02699 / S	iex Male			
Date/Semester admitted 1st Semester, 2003-2004		Date & Place of Birth March 4, 1984; Camarines Sur				
Category Tra	insfer Student	Father's Name Hernand	lo Salapare, Sr			
Diploma/Title/Degree		Mother's Name Ana Siy	10101113			
High School/College Uni	iversity of the Philippines Manila		OR OF SCIENC	E IN		
Date graduated/last attended 2nd Semester, 2002-2003		APPLIED PHYSICS &				
NCEE Rating	Year Taken	Major Physics				
S.O. No.:	Date	Date Graduated Novemb	er 2, 2007 & A	pril 25, 2010,		
	COLLEGIATE	RECORD	Grade	s		
Course Number	DESCRIPTIVE	TITLE OF THE COURSE	Final	Reaction nation' Completion		
	Diliman begin on page	University of the Philippines e 2.				
	University of 1st Sem 2nd Sem 1st Sem	the Philippines Manila, ester, 2001-2002 lester, 2001-2002 ester, 2002-2003 lester, 2002-2003				
	A certified true corecords from the above	ppy of the official transcript of re school is attached as page 5. <				
Remarks						
	ent; 1.25*-1.5 - Very Good; 1.75*-2.0 Drp - Dropped; Inc - Incomplete, colleges and units officially adopting		75*-3.0 - Pass; 4	.0 - Conditional;		
Credits: One university unit of courses, two and a ha	credit is one hour lecture or recitation of off to three hours of laboratory work alent of one hour of recitation or lec	each week for the period of a complete	semester of 16 to rs of drafting or	17 weeks. In all shop work, are		
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	1/29/08					
Checked by ECCabrera Date						
Updated byDate	<u> </u>		7.			
	JUN 0.3 2010	PAMELA C. CONST	TANTINO, P	h.p.		

University Registrar

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Page	2	of	5	pages

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OFFICIAL TRANSCRIPT OF RECORDS (Revised October 1994)

Name	SALAPARE, HERNANDO III SIY	
		1.3
Student No.	01-02699 /	

		Grad	les	S
Course Number	DESCRIPTIVE TITLE OF THE COURSE	Final	Rescond nation/ Completion	Credits
	COLLEGE OF SCIENCE			
1st Semester, 2003-2004		38.81	VE O	
Anthro 182	Culture and Personality	1.25		
Geog 1	Places and Landscapes in a Changing World	1.25	VA	
Geology 11.1	Laboratory in Principles of Geology	1.25	2000	
Math 53	Elementary Analysis I	2.25	(A)	and the same of
Pan Pil 50	Panitikang Makabayan	1.75		5
2nd Semester, 2003-2004		3837		
Anthro 118	Prehistory of the Philippines	1.5	C 1000	
Math 54	Elementary Analysis II	2.25		3
Physics 10	Physics and Astronomy for Pedestrians	1.25	3.4	5
Physics 101	Fundamental Physics I	2.75	50	3
Physics 101,1	Fundamental Physics I Laboratory	2.73		1
Summer, 2004				
Math 55	Elementary Analysis III	2.5		- 3
st Semester, 2004-2005				
Chem 16	General Chemistry I	2	18.34	
1ath 121.1	Elementary Differential Equations	2.75		5
1BB 10	Introduction to Molecular Biology	1.25	w. 20s	2
hysics 102	Fundamental Physics II	3		
hysics 102.1	Fundamental Physics II Laboratory	1.5		4
hysics 111	Mathematical Physics I	2.5		3
nd Semester, 2004-2005		200	w 80	
them 1	Chemistry: Science that Matters	1	1 20	3
hem 17	General Chemistry II	5	1.0	-
hysics 103	Fundamental Physics III	4	No Gra	de -
hysics 103.1	Fundamental Physics III Laboratory	1.5	110 010	1
hysics 112	Mathematical Physics II	3	Y Se	3
ummer, 2005			V	
hysics 103	Fundamental Physics III	3		4
st Semester, 2005-2006			7	
hem 17	General Chemistry II	2		5
hysics 104	Modern Physics I	4	3	4
hysics 113	Mathematical Physics III	3	- C	3
nysics 121	Theoretical Mechanics I	2		3
hysics 131	Electromagnetic Theory I	2.5		3
nd Semester, 2005-2006				
Physics 155	Computer Methods in Physics	2.5		4

Grading System: 1.0 - Excellent; 1.25*-1.5 - Very Good; 1.75*-2.0 - Good; 2.25*-2.5 - Satisfactory; 2.75*-3.0 - Pass; 4.0 - Conditional; 5.0 - Fail; Drp - Dropped; Inc - Incomplete.

5.0 - Fail: Drp - Dropped; Inc - Incomplete. *Only for colleges and units officially adopting these additional grades.

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Encoded by mfAbella Date 1/29/08
Checked by ECCabrera Date 1/31/08

1 Updated by jcadiz Date 5/31/2010

Bate JUN 0 3 2010

PAMELA C. CONSTANTINO, Ph.D. University Registrar

UNIVERSITY OF THE PHILIPPINES DILIMAN OFFICE OF THE UNIVERSITY REGISTRAR

OFFICIAL TRANSCRIPT OF RECORDS (Revised October 1994)

Name SALAPARE, HERNANDO III SIY
Student No. 01-02699

A Physics 181			Grad	-	t s
A Physics 181	Course Number	DESCRIPTIVE TITLE OF THE COURSE	Final	Reesimo nation Cempletion	Credit
A Physics 181	2nd Semester, 2005-2006	(cont'n)			
Electromagnetic Theory II	100000000000000000000000000000000000000	Physical Electronics I	The second secon	XXX	4
Operation Computer Methods in Physics I Computer Physics I Compute			3		3
Statistical Physics I 2.5	The state of the s	Ouantum Physics I	3	100	3
The Life and Works of Jose Rizal 2 2 3 3 4 2 3 4 2 3 4 2 3 4 3 4 3 3 3 3 3 4 3 3	Approximate the second of the		2.5	Y 3.	3
State Semester 2006-2007	Summer, 2006			Y.	
A Physics 156 A Physics 173 A Physics 182 A Physics 182 A Physics 189 Physics 199 Physics 165 Optical Physics I Dundergraduate Research Optical Physics II Dundergraduate Seminar Dundergraduate Semina	P I 100	The Life and Works of Jose Rizal	2	Sect. 1	3
Solid State Physics 173					1
A Physics 182			The second second	1446	3
A Physics 199					4
Physics 165					3
Experimental Physics I 1.25 2nd Semester, 2006-2007 2.5				1 3	3
Control Systems Approach to Physics Modeling A Physics 185 Instrumentation Physics I Siology 11 Fundamentals of Biology I Physics 135 Physics 135 Physics 166 Physics 166 Physics 192 Introductory Plasma Physics Physics 192 Instrumentation Physics II Instrumental Physics			The second second second second	300 5	4
Control Systems Approach to Physics Modeling A Physics 185 Instrumentation Physics I Siology 11 Fundamentals of Biology I Physics 135 Physics 135 Physics 166 Physics 166 Physics 192 Introductory Plasma Physics Physics 192 Instrumentation Physics II Instrumental Physics	2nd Semester, 2006-2007		NS-CO		
Instrumentation Physics I 1.5 2.25 3 3 3 3 3 3 4 4 5 3 4 4 5 4 4 5 4 5 5 5		Control Systems Approach to Physics Modeling	2.5		3
Fundamentals of Biology I 2.25					4
Introductory Plasma Physics 1 1 2 2 2 2 2 2 2 2			2.25	130	5
Physics 166 Physics 192 Ist Semester, 2007-2008 A Physics 186 A Physics 187 A Physics 200 Physics 104.1 Physics 161 Physics 196 Introductory Laser Physics Physics 196 MASTER'S PROGRAM Physics 142 Physics 290 Quantum Physics II Introductory II Graduate Mechanics I Quantum Physics II Statistical Mechanics I Graduate Colloquium Pass Physics 290 Optical Physics II Experimental Physics II 1 1 1 1 1 1 1 1 1 1 1 1			1	1 3	3
Experimental Physics II	Physics 166	Optical Physics II	1	1300	3
A Physics 186 A Physics 187 A Physics 200 Physics 104.1 Physics 161 Physics 161 Physics 196 Craduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM Physics 142 Physics 290 Quantum Physics II Statistical Mechanics I Physics 290 Instrumentation Physics II Photonics and Applied Optics Introductory Laser Physics Introdu		Experimental Physics II	1		3
A Physics 187 A Physics 200 Physics 104.1 Physics 161 Physics 196 Graduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM A Physics 142 Physics 251 Physics 290 Graduate Colloquium Photonics and Applied Optics I A Pass Phass Phass Physics I Laboratory I Throductory Laser Physics I Th					
Undergraduate Thesis Physics 104.1 Physics 161 Physics 196 Undergraduate Thesis Modern Physics I Laboratory Introductory Laser Physics Undergraduate Seminar I Graduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM Physics 142 Physics 142 Physics 142 Physics 251 Physics 251 Statistical Mechanics I Pass I I I I I I I I I I I I I I I I I I			1.75		4
Physics 104.1 Modern Physics I Laboratory 1 Physics 161 Introductory Laser Physics 3 Undergraduate Seminar 1 Graduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM Physics 142 Quantum Physics II 1.75 Physics 251 Statistical Mechanics I 2.5 Physics 290 Graduate Colloquium Pass			1		4
Physics 161 Introductory Laser Physics 3 Undergraduate Seminar 1 Graduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM Physics 142 Quantum Physics II 1.75 Physics 251 Statistical Mechanics I 2.5 Physics 290 Graduate Colloquium Pass			14000000		3
Physics 196 Undergraduate Seminar 1 Graduated with the degree of BACHELOR OF SCIENCE IN APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM 2nd Semester, 2007-2008 Physics 142 Physics 142 Physics 251 Statistical Mechanics I Physics 290 Graduate Colloquium 1 Graduate Seminar 1 APPLIED PHYSICS IN APPLIED PHYSICS II Statistical Mechanics I Physics 290 Graduate Colloquium Pass			and the same of th		1
APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM 2nd Semester, 2007-2008 Physics 142 Physics 251 Physics 251 Physics 251 Physics 290 Craduate Colloquium AMASTER'S PROGRAM 1.75 2.5 Craduate Colloquium Physics II Physics 290 Craduate Colloquium Pass			100		3
APPLIED PHYSICS on November 2, 2007. MASTER'S PROGRAM 2nd Semester, 2007-2008 Physics 142 Physics 251 Physics 251 Physics 251 Physics 290 Graduate Colloquium AMASTER'S PROGRAM 1.75 2.5 Caraduate Colloquium Physics 14		Graduated with the degree of BACHELOR OF SCIENCE IN			
2nd Semester, 2007-2008 Physics 142 Physics 251 Physics 251 Physics 290 Craduate Colloquium Craduate Craduate Colloquium Craduate Craduate Colloquium Craduate Craduate Craduate Craduate Colloquium Craduate C	CHEESEY)		8 S E	W	
2nd Semester, 2007-2008 Physics 142 Physics 251 Physics 251 Physics 290 Craduate Colloquium Craduate Craduate Colloquium Craduate Craduate Colloquium Craduate Craduat				3,//	
Physics 142 Quantum Physics II 1.75 Physics 251 Statistical Mechanics I 2.5 Physics 290 Graduate Colloquium Pass		MASTER'S PROGRAM			
Physics 142 Quantum Physics II 1.75 Physics 251 Statistical Mechanics I 2.5 Physics 290 Graduate Colloquium Pass	2nd Semester, 2007-2008				
Physics 251 Statistical Mechanics I 2.5 Physics 290 Graduate Colloquium Pass	Physics 142	Quantum Physics II	1.75	- 3	3
Physics 290 Graduate Colloquium Pass	Physics 251				3
					1
Special ropics in medical Physics 1.25	Physics 305	Special Topics in Theoretical Physics	1.25	1	3

Continued on page 4

5.0 - Fail; Drp - Dropped; Inc - Incomplete.
*Only for colleges and units officially adopting these additional grades.

Credits: One university unit of credit is one hour lecture or recitation each week for the period of a complete semester of 16 to 17 weeks. In all courses, two and a half-to-three hours of laboratory work, and, in technical courses, three hours of drafting or shop work, are regarded as the equivalent of one hour of recitation or lecture.

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| Principle | Prin

PAMELA C. CONSTANTINO, Ph.D. University Registrar

UPD - 0087523

Remarks

Name

Student No.

01-02699

		Grad	es 💮	v
Course Number	DESCRIPTIVE TITLE OF THE COURSE	Final	Reexum: nation Completion	1100
1st Semester, 2008-2009				
Physics 221 /	Classical Dynamics I	2.25/	1 × 100	3
Physics 241	Quantum Mechanics I	1.5		3
Physics 295	Experimental Methods of Plasma Physics	1.5	_	3
2nd Semester, 2008-2009				
MSE 298 .	Special Problems	1	X	-
Physics 242	Quantum Mechanics II			3
Physics 290	Graduate Colloquium	2′	3/2-0	3
Physics 296	Graduate Colloquium	Pass /		1
	Gladuate Sellinial	1 .		_1
Summer, 2009		A POLICE		
Residence /			30 10	
1st Semester, 2009-2010			200	
Physics 231	Classical Electrodynamics I	1.25		,
Physics 300	MS Thesis	100000000000000000000000000000000000000		3
		Pass		6
2nd Semester, 2009-2010			- 0 m	
Physics 232 /	Classical Electrodynamics II	1.25		3
NO ENTRY FOLLOWS	"Thesis Title:Bacterial Adhesion Performance of Poly (Tetrafluoreothylene) After Surface Modification Using Hydrogen and Oxygen Low-Energy Gas Discharges". ,			
	-Graduated with the degree of MASTER OF SCIENCE (Physics) on April 25, 2010	8.1		
			YO	
			Y	
			3/ 6	
				.5
Remarks			SECTION.	

1.0 - Excellent; 1.25*-1.5 - Very Good; 1.75*-2.0 - Good; 2.25*-2.5 - Satisfactory; 2.75*-3.0 - Pass; 4.0 - Conditional; 5.0 - Fail; Drp - Dropped; Inc - Incomplete. *Only for colleges and units officially adopting these additional grades. Grading System:

Credits: One university unit of credit is one hour lecture or recitation each week for the period of a complete semester of 16 to 17 weeks. In all courses, two and a half to three hours of laboratory work, and, in technical courses, three hours of drafting or shop work, are regarded as the equivalent of one hour of recitation or lecture.

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Date 5/28/10 Focoded by essonza 42 Date 5.29.2010 Checked by I plated by Date 104 6/11/10 jeadiz. Date 5/31/2010 Printed by Date JUN 0 3 2010 Issued by

UPD - 0087526

PAMELA C. CONSTANTINO, Ph.D. University Registrar

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SALAPARE, HERNANDO III SIY

iversity of the Philipp SITY OF THE PHILII Office of the University Registrar

S. O. No.:

oines System	OFFICIAL TRANSCRIPT OF RECORD
PPINES MANILA	(Revised March 1981)
	The state of the s

Entrance Data	Student No 001-02	699 Sex Male
Date/Semester admitted 1st Sem. 2001-2002	Date & Place of Birth	March 4,1984/ Tigaon,
Category High School Graduate	Father's Name	Hernando Salapare
Diploma/Title/Degreex-x-x-x	Mother's Name	Ana Siy
High School/College <u>Makati Science High Sch.</u>	Degree/Title/Course	x-x-x-x
Date graduated/last attended SY 2000-2001		
NCEE RatingYear Taken	Majorx-x-x-	х

Date graduated COLLEGIATE RECORD Grades Credits Reexami-nation/ Completion Course Number DESCRIPTIVE TITLE OF THE COURSE COLLEGE OF PHARMACY 1st Semester,2001-2002 Math 17 Algebra and Trigonometry 1.50 5. Geo 11 -Principles of Geology 1.75 3 Bot 11 . General Botany 2.25 5 Comm I Communication Skills 2.25 3 Hist I Philippine History 1.50 3 P.E. 1 Foundations of Physical Fitness 1.50 (2)Military Science 11 2.75 (1.5)2nd Semester, 2001-2007 Math 101 Elementary Statistics 2.50 3 -Chem 14 Fundamentals of General Chemistry I 2.50 3 . Fundamentals of General Chemistry I lab. Chem 14.1 -2.00 1, Comm II / Hist II / Communication Skills 1.75 3 . Asia and the World 3 ' 2.50 Soc Sci I Foundations of Dehavioral Sciences 2.50 3 Pharm 21 Elementary Pharmaceutical Technology 3' 3.00 (2) ' P.E. 2 1.25 Military Science 2.50 (1.5)'COLLEGE OF ARTS AND SCIENCES 1st Semester, 2002-2003 P.E. 2 Philo I Philippine Games (2) 3. Philosophical Analysis 1.75 Physics 51.1 -General Physics I lab. 1.25 1-General Physics I Physics 51. 2.00 3-Comm III Speech Communication 1.50 3-Hum I Literature, Society and Individual 2.00 3 . CMSC 10 -Introduction to Internet 2.00 1 -CMSC 11 -Introduction to Computer Science 4.00 3.00 3 / 2nd -Semester, 2002-2003 CMSC 21 CMSC 55 / Fundamentals of Programming 3 -Discrete Mathematical Structures in Comp.Sci. 2.75 5 . Math 73 / Fundamentals of Analysis I 2.00 3 Physics 52 ~ General Physics II 2.25 3. Physics 52.11 General Physics II Lab. 2.25 P.E. 2 1/ Basketball 🔎 2.25 (2)CERTIFIED TRUE COPY OF THE

Cleared as of May 30,2003 PAMELA C. CONSTANTINO Remarks University Registrar University of the Philippines Dillman

Grading System: 1—Excellent; 1.5—Very good; 2—Good; 2.5—Satisfactory; 3—Pass; 4—Conditional failure; 5-Failure; Inc.-Incomplete.

Credits: One university unit of credit is one hour lecture or recitation each week for the period of a complete semester of 16 to 17 weeks, In all courses, two and a half to three hours of laboratory work, and, in-technical courses, three hours of drafting or shop work, are regarded as the equivalent of one hour of recitation or lecture.

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Checked by:	12/	Date:	7/9/10
Issued by:	P	Date:	J-18 2.

UPM-022726

GRADUATE OFFICE COLLEGE OF SCIENCE

University of the Philippines Diliman, Quezon City Tel no. 981-8500 local 3803; Telefax 924-7674

TRUE COPY OF GRADES

SALAPARE, HERNANDO III S.

Student No.: 01-02699

Course: MS Physics

Taken at College of Science	e		Taken at College of Science			
2 nd Semester, 2007-08		e-exam Units	1st Semester, 2008-09	Grade	Re-exam	Units
Phys 142	1.75	3	Phys 295	1.0		3
Phys 251	2.5	3	Phys 241	1.5		3
Phys 290	P	1	Phys 221	2.25		3
Phys 305	1.25	3	No entry follows			
No entry follows			540 2010 00 00 00 00 00 00 00 00 00 00 00 00			
Taken at College of Science	е		Taken at College of Science			
2 nd Semester, 2008-09			Summer, 2009			
Phys 242	2.0	3	Residence			
Phys 290	Р	1				
MSE 298	1.0	3				
Phys 296	1.0	1				
No entry follows						
Taken at College of Science	е		Taken at College of Science			
1st Semester, 2009-2010			2 nd Semester, 2009-2010			
Phys 231	1.25	3	Phys 232	1.25		3
Phys 300 (Thesis)	Р	6	No entry follows			
No entry follows						

Remarks:

Candidate for Graduation Second Semester, 2009-2010

Prepared by/ Date: April 22, 2010

Certified True Copy:

Student Records Evaluator II

Date: April 22, 2010

NOTED BY:

RONALD S. BANZON, Ph.D.



GRADUATE OFFICE COLLEGE OF SCIENCE

University of the Philippines
Diliman, Quezon City
Tel no. 981-8500 local 3803; Telefax 924-7674

TRUE COPY OF GRADES

SALAPARE, HERNANDO III S.

Student No.: 01-02699

Course: MS Physics

Taken at College of Scienc	е			Taken at College of Science			
2 nd Semester, 2007-08	Grade	Re-exam	Units	1st Semester, 2008-09	Grade	Re-exam	Units
Phys 142	1.75		3	Phys 295	1.0		3
Phys 251	2.5		3	Phys 241	1.5		
Phys 290	Р		1	Phys 221	2.25		3
Phys 305	1.25		3	No entry follows			
No entry follows				30			4.4
Taken at College of Science	e			Taken at College of Science			
2 rd Semester, 2008-09				Summer 2009			
Phys 242	2.0		3	Residence			
Phys 290	P		1				
MSE 298	1.0		3				
Phys 296	1.0		1				
No entry follows							
Taken at College of Science	e						
1st Sem. 2009-10							
Phys 231	1.25		3				
Phys 300- Thesis							
No entry follows							

Remarks:

Not valid Without Dry Seal Prepared by: Ivy

Date: 4 November 2009

Certified True Copy:

IVY A. MARTIREZ

Student Records Evaluator II

NOTED BY:

RONALD S. BANZON, Ph.D.



NATIONAL INSTITUTE OF PHY

COLLEGE OF SCIENCE University of the Philippines Diliman, Quezon City 1101 Metro-Manila

Tel. No. (632) 920-9749

Fax. No. (632) 928-0296

PROGRAM OF STUDY

NAME: Hernando S. Salapare III Previous Degree: BS App Physics - NIP

DEGREE SOUGHT: Master of Science MAJOR: Physics

AY 2008-2009

	Course No.	
Phys. 241	Quantum Mechanics	Units
Phys. 221		3
Phys. 295	Classical Dynamics I Experimental Plasma Physics	3
		3

	Course No.	
Phys. 242	Quantum Mechanics II	Unit
MSE 298	Plasma Chemistry	13
Phys. 290		3_
Phys. 296	Graduate Colloquium Graduate Seminar	1
	Seminar	1 8

AY 2009-2010

Units
6
3

	Course No.	7
Phys. 232	Classical	Units
	Electrodynamics II	3
		7
		100

Notes:

- (1) *Final semester isider loaded because Mr. Salapare is exempted from taking the 3 units of Physics teaching a he already earned 7 graduate units [Physics 251 (3 units), Physics 290 (1 unit), Physics 305 units)] during the 2nd Semester of AY 2007-2008. (2) Thesis defense wibe conducted after passing all the core courses.
- (3) The thesis option toes not include the comprehensive examination.

PREPARED BY:

DR. HENRY J. RAMOS

Program Adviser/Thesis Adviser



GRADUATE OFFICE COLLEGE OF SCIENCE

University of the Philippines Diliman, Quezon City Tel no. 981-8500 local 3803; Telefax 924-7674

TRUE COPY OF GRADES

SALAPARE, HERNANDO III S.

Student No.: 01-02699

Course: MS Physics

Taken at College of Scien	ce		Taken at College of Science	ce		
2 nd Semester, 2007-08	Grade Re	-exam Units	1st Semester, 2008-09	Grade	Re-exam	Units
Phys 142	1.75	3	Phys 295	1.0		3
Phys 251	2.5	3	Phys 241	1.5		3
Phys 290	P	1	Phys 221	2.25		3
Phys 305	1.25	3	No entry follows			
No entry follows						
Taken at College of Scien	ce		Taken at			
2 nd Semester, 2008-09			1st Semester			
Phys 242	2.0	3	NO ENTRY			
Phys 290	P	1				
MSE 298	1.0	3				
Phys 296	1.0	1				
No entry follows						

Remarks:

Not valid Without Dry Seal Prepared by: Gigi

Date: 14 April 2009

Certified True Copy:

IVY A. MARTIREZ

Student Records Evaluator II

NOTED BY:

RONALD'S. BANZON, Ph.D.



NATIONAL INSTITUTE OF PHYSICS

COLLEGE OF SCIENCE University of the Philippines Diliman, Quezon City 1101 Metro-Manila



Fax. No. (632) 928-0296



PROGRAM OF STUDY

NAME: Hernando S. Salapare III Previous Degree: BS App Physics – NIP DEGREE SOUGHT: Master of Science

MAJOR: Physics

AY 2008-2009

Course No.		
Quantum Mechanics I	3	
Classical Dynamics I	3	
Experimental Plasma Physics	3	
	Quantum Mechanics I Classical Dynamics I Experimental Plasma	

	Units	
Phys. 242	Quantum Mechanics II	3
MSE 298	Plasma Chemistry	3
Phys. 290	Graduate Colloquium	1
Phys. 296	Graduate Seminar	্ৰ
		8

AY 2009-2010

Course No.		
Phys. 300	Masteral Thesis	6
Phys. 231	Classical Electrodynamics I	3
		9

-700-1000-0	Course No.		
Phys. 232	Classical Electrodynamics II	3	
	Graduale Elective	3	
	*Optional Graduate Elective	(3)	
		*6 or 9	

Notes:

- (1) *Additional graduate elective is optional since Mr. Salapare is exempted from taking the 3 units of Physics teaching.
- (2) Thesis defense will be conducted after passing all the core courses.
- (3) The thesis option does not include the comprehensive examination.

PREPARED BY:

DR HENRY PAMOS

Program Adviser/Thesis Co-Adviser

DR. GENE Q. BLANTOCAS

Thesis Adviser



GRADUATE OFFICE COLLEGE OF SCIENCE

University of the Philippines Diliman, Quezon City Tel no. 981-8500 local 3803; Telefax 924-7674

TRUE COPY OF GRADES

SALAPARE, HERNANDO III S.

Student No.: 01-02699

Course: MS Physics

Taken at College of Science			Taken at College of Science				
2 nd Semester, 2007-08	Grade Re-e	xam Units	1st Semester, 2008-09	Grade	Re-exam	Units	
Phys 142	1.75	3	Phys 295	1.0		3	
Phys 251	2.5	3	Phys 241	1,5		3	
Phys 290	P	1	Phys 221	2.25		3	
Phys 305	1.25	3	No entry follows				
No entry follows							

Remarks:

Not valid Without Dry Seal

Prepared by: Gigi

Date: 30 October 2008

Certified True Copy:

Student Records Evaluator II

NOTED BY:



NATIONAL INSTITUTE OF PHYSICS

COLLEGE OF SCIENCE

University of the Philippines

Diliman, Quezon City 1101 Metro-Manila Tel. No. (632) 920-9749 Fax. No. (632) 928-0296



PROGRAM OF STUDY

NAME: Hernando Salapare III

Previous Degree: BS App. Physics -NIP

DEGREE SOUGHT: Master of Science

MAJOR: Physics

YEAR I

1st Semester

Course No.		Units
Phys. 241	Quantum Mechanics I	3
Phys. 221	Classical Dynamics I	3
Phys. 295	Experimental Plasma Physics	3
		9

2nd Semester

Course No.		Units
Phys. 242	Quantum Mechanics II	3
MSE 298	Plasma Chemistry	3
MOL 138	Simulation .	-
Phys. 290	Graduate Colloquium	(1)
Phys. 296	Graduate Seminar	(1)

1st Semester

Course No.		Units
Phys. 300	Masteral Thesis	(3)
Phys. 305	Graduate Elective	3
Phys. 231	Classical Electrodynamics I	3
Site		9

YEAR II

2nd Semester

Course No.		Units	
Phys. 300	Masteral Thesis	(3)	
Phys. 232	Classical Electrodynamics II	3	
Phys. 305	Graduate Elective	3	
		9	

PREPARED BY:

DR. HENRY J. RAMOS Program Adviser



NATIONAL INSTITUTE OF PHYSICS

COLLEGE OF SCIENCE University of the Philippines Diliman, Quezon City 1101 Metro-Manila

Tel. No. 1632) 920-9749 Fax. No. (632) 928-0296



PROGRAM OF STUDY

NAME: Hernando S. Salapare III

Previous Degree: BS App Physics - NIP

DEGREE SOUGHT: Master of Science

MAJOR: Physics

AY 2008-2009

	Course No.	Units
Phys. 241	Quantum Mechanics :	1 8
itys 221	Ciasulcal Lynamics I	S
Phys. 295	Experimental Plascia Physics	1 3

Course No.		Units
Phys. 242	Quantum Mechanics II	1 3
Phys. 305	Special Topics in Theoretics: Physics	3_
Phys. 290	Graduate Colloquium	!
	Graduato Elective	13

AY 2009-2010

Course No.	Units
Masteral Thesis	(3)
Special Topics in Theoretical Physics	3
ட்டியில் Electrocynamics (3
	Masteral Thesis Special Topics in Theoretical Physics

San de la constante de la cons	Course No.	Units
Phys. 300	Masteral Thesis	(3)
Phys. 296	Graduate Seminar	/11
Phys. 232	Clessica Electrodynamics II	
	Physics Yeaching	(2)

APPROVED BY:

OR, HENRY J. RAMOS Program Adviser

180-723