SALAPARE

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(a 1338/30]	
Turcelactronics	51
Conformatics Formation Science	4
Biotechnology/GeneticsBioechemistry	45
Materials Science	
Materials Science	
Chemistry/Physics Statistics/Math	2
Statistics (Matt)	
cademic Performance	51
With honors	4
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1.9-1.6	(2)
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rstitution	(5)
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UST, MSU IIT, USC, ME SU	3
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Others	
Research Experience	(5)
With research experience in a research profit	4
Individual thesis	3
Group thesis	2
Project Study	
Career Plans	
Research –oriented	5
Industry and research	4
Teaching and research	3
Teaching and teaching Teaching /Industry	2
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Age	5
Below 40	(3)
40-45	
Category	(2)
Lateral	(5)
Regular	08

18×2=56



Human Resource and Institution Development Division (HRIDD)

Reference No. Copy of MS Physics diploma of Hernando S. Slapare III, M.Sc. Action Slip 04/8/10-0019 Subject: To: Acted by Deadline: Ms. Karel G. Pabelina Remarks From: Date of Letter: 8/04/10 Copy of MS Physics diploma of Hernando S. Slapare III, NSc. Val Date/Time In/Out 08/04/10

Human Resource and Institution Development Division (HRIDD)

Action Slip

		Action Slip	
Subject:	Cetification ang True Copy of	Grades of Ms. Karel G. Pabelina	Reference No. 04/8/10-0018
From:	Ms. Karel G. Pabelina	То:	
Date of Letter:	7/30/10	Deadline:	
Date/Time In/Out		Remarks	Acted by
08/04/10	Cetification ang True Copy of	Grades of Ms. Karel G. Pabelina	Val
8/10	for file ple	Sherlif	Chestie
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Philippine Council for Advanced Science and Technology Research and Development Human Resources and Institution Development Division

Scholar's Thesis/Dissertation Progress Report

for the 1st 2nd 3rd Quarter / Year 2010
THESIS/DISSERTATION TITLE:
Bacterial adhesion performance of poly(tetrafluoroethylene)
after surface modification using hydrogen and oxygen
GRANTEE: DEGREE PROGRAM:
HERNANDO S. SALAPARE III M.S. PHYSICS
DURATION: October 1, 2009 - April 5, 2010 (7 months)
DATE STARTED: EXPECTED DATE OF COMPLETION:
October 1, 2009 April 5, 2010
OBJECTIVES:
- to treat the arryane of MFE materials using hydrogen
and oxygen low-energy gas discharges
- to determine the backerial adherion (E. coli) on the
samples before and after different treatment parameter
- to test the hiocampatibility of the material
SCHEDULE OF ACTIVITIES:
Jan 2010 - oxygen treatment y PTFE samples
Feb 2010 - characterization of 112 and 02 treated samples
as well as the untreated sample (FTIR, SEM, CA)
- backerial adhesion experiments at N-S.R.I
Feb 2010 - culminion y their first dugt
Mar 24, 2015 - theris depender
April 5, 2010 - Submission of theirs manuscript to the
anaduale mais CS UP Division

RESULTS AND DISCUSSION: Both Oz and Hz planna treatments moderly the PTFE sugare in numphology but only or treatment modified the PTFE in chemical composition.

Both tratment exhibited changes in few wettability of
the samples at diff. It, the treatment shows that I men I'd
improved material hydrophologicity and higher I'd rescalted in enhanced hydrophilicity due to the increased sugare roughpen and provisity of the modernal while prygen treatment shown that as the Is increases. PIFE hernes more hydrophilic. The contact angle or hilled a love Easi PROBLEMS ENCOUNTERED/PROPOSED SOLUTIONS: adherin on impared to bonds on the saugh as well as the source free energy that exhibited the lowest to will adherion is between 22 mNm to 76 mN/m. PROPLEMS EDECUNTEREDIDEOPOSED SOLUTIONS: Servatia marchim did not show the whor we wanted to we change the bacteria to to citi and we needed the help of Dr. Rivera and his team of the institute of Priorby gy for the protocol on handling E- will we performed optimization bacterials adhering tests to adain the overest parameter for the experient. REMARKS: (pair)
- the theris pu produced 2 publication (1 JSI-indexed jounds & 1 book chapter) - the there manuscript was submitted an publication to journal of adherin siene and tech and its under review - or CV was attached to show the other accomplishment y the author - part of the theris was presented at SPP east 2009. - the theirs of the author, his jublications and academic juipormance were evaluated by the college and he was awarded on the MOST OUTSTANDING U.S. GRAD for the graduating both Prepared by: - Hatapadun HERNANDO 3. STLAPARE W

Grantee's name/signature

, .



Graduate Core Courses Required

ORIGINAL PROGRAM of STUDY

	- Constitution	35	TOTAL UNITS	
On-going 2nd/AY2009-2012	On-going	ω	Classical Electrodynamics II	Physics 232
2nd/AY2009-2011	On-going	ω	Masteral Thesis	Physics 300
2nd/AY2009-2010	1	1	Graduate Seminar	Physics 296
1st/AY2009-2010	On-going	ω	Masteral Thesis	Physics 300
1st/AY2009-2010	1.25	ω	Classical Electrodynamics I	Physics 231
1st/AY2009-2010	Р	1	Graduate Colloquim	Physics 290
2nd/AY2008-2009	Exempted	_	Physics Teaching	Physics
2nd/AY2008-2009	_	ω	Graduate Elective	Physics/MSE
2nd/AY2008-2009	2	w	Quantum Mechanics II	Physics 242
1st/AY2008-2009	Exempted	1	Physics Teaching	Physics
1st/AY2008-2009	1.5	ယ	Quantum Mechanics I	Physics 241
1st/AY2008-2009	2.25	3	Classical Mechanics I	Physics 221
2nd/AY2007-2008	1.25	3	Graduate Elective	Physics 305
2nd/AY2007-2008	ס	1	Graduate Colloquim	Physics 290
2nd/AY2007-2008	2.5	ω	Statistical Physics I	Physics 251
Sem/Year	Grade	Units	Course Title	Course No.

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		36.00	TOTAL UNITS*	
2nd/AY2009-2010	On-going	ω	Classical Electrodynamics II	Physics 232
1st/AY2009-2010	On-going	6	Masteral Thesis	Physics 300
1st/AY2009-2010	1.25	ω	Classical Electrodynamics I	Physics 231
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2nd/AY2008-2009	_	_	Graduate Seminar	Physics 296
2nd/AY2008-2009	_	3	Plasma Chemistry	MSE 298
2nd/AY2008-2009	2	ω	Quantum Mechanics II	Physics 242
1st/AY2008-2009	_	ω	Experimental Plasma Phys	Physics 295
1st/AY2008-2009	1.5	ω	 Quantum Mechanics I 	Physics 241
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2nd/AY2007-2008	1.25	ω	Graduate Elective	Physics 305
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2nd/AY2007-2008	2.5	S	Statistical Physics I	Physics 251
Sem/Year	Grade	Units.	Course Title	Course No.
	OY"	of Si U	REVISED PROGRAM OF STUDY	

* Exempted from taking 2 units of Physics teaching. Total units does not include 2 units of Physics teaching.

Submitted by:

Hernando S. Salapare III MS Physics NIP-UP Diliman

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MANILA PHILIPPINES ADMINISTRATION OFFICE Temple Drive, Greenmeadows Quezon City 1110

### CERTIFICATION OF EMPLOYMENT AND COMPENSATION

### TO WHOM THIS MAY CONCERN:

This is to certify that Ms. MA. AMELIA S. MINOZA is employed by The Church of Jesus Christ of Latter-day Saints since August 01, 1997 up to the present. She has a full-time appointment as ACCOUNTING CLERK in the Financial Reporting & Controls Department. She receives an equivalent annual compensation of P460,616.00 inclusive of holidays and 13th month pay.

This certification is being issued upon the request of Ms. MINOZA for whatever legal purposes this may serve.

Issued this 27th day of June, 2008 at Quezon City, Metro Manila.

Certified by:

NILO M. PENALES

Area\Human Resource Manager