

Student No. 17451385  
Date of Birth: 16-OCT

# UNIVERSITY OF HAWAII AT MĀNOA

Date Issued: 25-JAN-2018

2600 Campus Rd, 010, Honolulu, Hawaii 96822  
manoa.hawaii.edu (808)956-8010

Page: 1

Record of: Michinari Sakai  
60 N Nimitz Hwy Apt 1107  
Honolulu, HI 96817

Issued To: MICHINARI SAKAI  
15232 MARTHA ST APT 15  
Van Nuys, CA 91411-3201

Course Level: Graduate

## Comments:

SUN MOON UNIVERSITY, KOREA - BS 2005

Degree Awarded: Doctor of Philosophy 14-MAY-2016

Major : Physics

## Dissertation

"High Energy Neutrino Analysis at Kamland  
and Application to Dark Matter Search."

Chairperson-John Learned

SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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## INSTITUTION CREDIT:

### Fall 2007

ADMITTED - DOCTORAL PROGRAM 08/20/07

PHYS 400	Appl of Math in Physical Sci	3.00 A+	12.00
PHYS 610	Anlytical Mechanics I	3.00 A	12.00
Ehrs:	6.00 GPA-Hrs: 6.00	QPts: 24.00 GPA:	4.00

### Spring 2008

PHYS 311	Theoretical Mechanics II	3.00 A	12.00
PHYS 430	Thermodynamics & Stat Mechanic	3.00 A-	11.10
PHYS 450	Electromagnetic Waves	3.00 A	12.00
Ehrs:	9.00 GPA-Hrs: 9.00	QPts: 35.10 GPA:	3.90

### Fall 2008

PHYS 650	Electrodynamics I	3.00 A+	12.00
PHYS 670	Quantum Mechanics	3.00 A	12.00
Ehrs:	6.00 GPA-Hrs: 6.00	QPts: 24.00 GPA:	4.00

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SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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## Institution Information continued:

### Spring 2009

PHYS 600	Methods of Theoretical Physics	3.00 A+	12.00
PHYS 651	Electrodynamics II	3.00 A	12.00
PHYS 671	Quantum Mechanics	3.00 A-	11.10
Ehrs:	9.00 GPA-Hrs: 9.00	QPts: 35.10 GPA:	3.90

### Fall 2009

PHYS 460	Physical Optics	3.00 A	12.00
PHYS 690	Seminar	1.00 CR	0.00
PHYS 699	Directed Research	3.00 A	12.00
PHYS 711	Topics in Particles and Fields	3.00 A	12.00
PHYS 772	Quantum Field Theory I	3.00 A	12.00
Ehrs:	13.00 GPA-Hrs: 12.00	QPts: 48.00 GPA:	4.00

### Spring 2010

PHYS 660	Advanced Optics	3.00 B+	9.90
PHYS 699	Directed Research	3.00 A	12.00
PHYS 712	Spec Tpc: Experimental Physics	3.00 A	12.00
PHYS 773	Quantum Field Theory II	3.00 A	12.00
Ehrs:	12.00 GPA-Hrs: 12.00	QPts: 45.90 GPA:	3.82

### Fall 2010

COMPREHENSIVE EXAMINATION PASSED 11/24/10

PHYS 699	Directed Research	3.00 A	12.00
PHYS 777	Nuclear & Particle Physics I	3.00 A	12.00
Ehrs:	6.00 GPA-Hrs: 6.00	QPts: 24.00 GPA:	4.00

### Spring 2011

PHYS 699	Directed Research	9.00 A	36.00
Ehrs:	9.00 GPA-Hrs: 9.00	QPts: 36.00 GPA:	4.00

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Page: 2

Record of: Michinari Sakai

Level: Graduate

SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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## Institution Information continued:

Ehrs: 6.00 GPA-Hrs: 6.00 QPts: 24.00 GPA: 4.00

Fall 2015

PHYS 800	Dissertation Research	9.00 S	0.00
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Ehrs: 9.00 GPA-Hrs: 0.00 QPts: 0.00 GPA: 0.00

Spring 2016

Degree Conferred 05/14/16

PHYS 800	Dissertation Research	1.00 S	0.00
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Ehrs: 1.00 GPA-Hrs: 0.00 QPts: 0.00 GPA: 0.00

## \*\*\*\*\* TRANSCRIPT TOTALS \*\*\*\*\*

	Earned Hrs	GPA Hrs	Points	GPA
TOTAL INSTITUTION	149.00	138.00	548.10	3.97

TOTAL TRANSFER	0.00	0.00	0.00	0.00
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## \*\*\*\*\* END OF TRANSCRIPT \*\*\*\*\*

SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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## Institution Information continued:

Fall 2011

PHYS 475	Electronics for Physicists	3.00 A	12.00
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PHYS 699	Directed Research	6.00 A	24.00
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Ehrs: 9.00 GPA-Hrs: 9.00 QPts: 36.00 GPA: 4.00

Spring 2012

PHYS 476	Mod Electronics for Physicists	3.00 A	12.00
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PHYS 699	Directed Research	6.00 A	24.00
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Ehrs: 9.00 GPA-Hrs: 9.00 QPts: 36.00 GPA: 4.00

Fall 2012

PHYS 699	Directed Research	6.00 A	24.00
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Ehrs: 6.00 GPA-Hrs: 6.00 QPts: 24.00 GPA: 4.00

Spring 2013

PHYS 699	Directed Research	9.00 A	36.00
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Ehrs: 9.00 GPA-Hrs: 9.00 QPts: 36.00 GPA: 4.00

Fall 2013

PHYS 699	Directed Research	12.00 A+	48.00
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Ehrs: 12.00 GPA-Hrs: 12.00 QPts: 48.00 GPA: 4.00

Spring 2014

PHYS 699	Directed Research	9.00 A	36.00
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Ehrs: 9.00 GPA-Hrs: 9.00 QPts: 36.00 GPA: 4.00

Fall 2014

PHYS 699	Directed Research	9.00 A+	36.00
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Ehrs: 9.00 GPA-Hrs: 9.00 QPts: 36.00 GPA: 4.00

Spring 2015

PHYS 699	Directed Research	6.00 A	24.00
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\*\*\*\*\* CONTINUED ON NEXT COLUMN \*\*\*\*\*

ISSUED TO STUDENT

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