



COLLEGIATE PERMANENT RECORD

FAMILY NAME	FIRST NAME	MIDDLE NAME	I.D. NO.
Apao	Monabel May	Nadayag	2004-2097

Sex: FEMALE  
Date of Birth: May 25, 1988  
Place of Birth: TIBANGA ILIGAN CITY  
Citizen/Nationality: FILIPINO  
Home Address: PRK-1-A, MIMBALUT BURU-UN, ILIGAN CITY  
Name of Father: Rubelito Apao  
Name of Mother: Monina Nadayag  
Civil Status: Single  
Name of Spouse: n/a  
School Last Attended: Our Lady of Perpetual Help Academy, Linamon, Lanao del Norte  
Date of Admission in IIT: May 20, 2004  
Entrance Credential: F137-A; F138-A from Our Lady of Perpetual Help Academy  
Degree Earned/Major: Bachelor of Science in Biology (General Biology)  
Honors/Distinction: n/a  
Graduation Date: April 04, 2008



Photo

COURSE NO.	DESCRIPTIVE TITLE OF THE COURSE	HOURS/WEEK LECT.	LAB.	FINAL GRADE	COMP. GRADE	CREDITS UNITS
<b>First Semester 2004-2005</b>						
ENG 1	College English 1	3	0	2.00		3
FIL 1	Sining ng Komunikasyon	3	0	1.75		3
HIST 1	Philippine History	3	0	1.75		3
MATH 1	Introduction to College Mathematics	3	0	3.00		3
NAT SCI 1	Foundations of Physical Science	3	0	2.75		3
P.E. 1	Gymnastics and Health	2	0	1.75		2
PHILO 1	Intro To Issues and ISMS	3	0	2.75		3
TD 1	Technical Drawing	2	3	1.50		3
MS-1	Military Science	3	0	1.00		3
<b>Second Semester 2004-2005</b>						
MATH 17	College Algebra and Trigonometry	6	0	3.00		6
P.E. 2	Dance/ Combative Sports	2	0	1.25		2
ENG 2	College English II	3	0	1.75		3
HIST. 5	Life and Works of Rizal	3	0	1.50		3
MS-2	Military Science	3	0	1.00		3
B:O 101	Introduction to Biological Science Lec	2	0	1.50		2
BIO 101.1	Introduction to Biological Science Lab	0	3	1.25		1
CHEM 15.2	General Chemistry I Lab.	0	6	2.75		2
CHEM 15	General Chemistry I	3	0	2.75		3
<b>Summer 2004-2005</b>						
BIO 102	Fundamentals of Animal Biology Lec.	2	0	1.25		2
BIO 102.2	Fundamentals of Animal Biology Lab.	0	6	1.50		2
BIO 103	Fundamentals of Plant Biology	2	0	3.00		2
BIO 103.2	Fundamentals of Plant Biology Lab.	0	6	3.00		2
<b>First Semester 2005-2006</b>						
BIO 105.2	Systematics Laboratory	0	6	2.75		2
BIO 109.2	General Physiology Lab.	0	6	1.75		2

OFFICIAL VALIDATION

Seal of MSU IIT

Name & Signature  
of the Registrar

*Nora A. Clar*  
Prof. NORA A. CLAR  
Acting Institute Registrar

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\* GRADING SYSTEM: 1.00 & 1.25 = Excellent; 1.50 & 1.75 = Very Good; 2.0 & 2.25 = Good; 2.50 & 2.75 = Satisfactory; 3.00 = Passing; 5.00 = Failure; INC = Incomplete and for specific courses, P = Passing and R = Repeat.  
\* CREDITS: One unit of credit is one hour lecture or recitation each week for a period of one semester, and two to three hours drafting, shop work or lab.





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BIO 109	General Physiology	2 0	2.50		2
STAT 33	Biostatistics	4 0	3.00	✓	4
COMP SCI 1	Introduction to Computer	2 3	1.75		3
BIO 105	Systematics	2 0	1.50		2
HUM 1	Introduction to Humanities	3 0	2.25		3
P.E. 3	Minor/Individual Sports	2 0	1.75		2
ENG 3	Oral Communication	3 0	1.25		3

**Second Semester 2005-2006**

MATH 42	Calculus for Life Science	5 0	3.00	✓	5
CHEM 16	General Chemistry II	3 0	2.75		3
CHEM 16.2	General Chemistry II Lab.	0 6	2.50		2
BIO 104	Biodiversity Lec.	2 0	2.75		2
BIO 104.1	Biodiversity Lab.	0 3	1.25		1
BIO 106	General Genetics Lec.	2 0	2.25		2
BIO 106.2	General Genetics Lab.	0 6	1.50		2
P.E. 4	Team Sports	2 0	1.75		2

**First Semester 2006-2007**

BIO 108	Cell Biology	2 0	2.75		2
BIO 108.1	Cell Biology Lab.	0 3	2.75		1
BIO 110	Evolution Biology	3 0	1.00		3
POL.SCI. 2	Phil. Gov't & Const, Agr Refrm, Tax'n, FP & Pop Ed	3 0	2.25		3
ANTHRO 1	Introduction to Anthropology	3 0	1.50		3
CHEM 32	Elementary Organic Chemistry Lec.	3 0	2.50		3
CHEM 32.2	Elementary Organic Chemistry Lab.	0 6	2.50		2
PHYS 11	Intro to Physics I Lec:	3 0	3.00		3
PHYS 11.1	Introductory Physics Laboratory I	0 3	2.00		1

**Second Semester 2006-2007**

CHEM 45	Elementary Biochemistry Lec.	3 0	2.50		3
CHEM 45.2	Elementary Biochemistry Lab.	0 6	2.00		2
BIO 107	General Ecology Lec.	2 0	1.50		2
BIO 107.2	General Ecology Lab.	0 6	2.00		2
BIO 127	General Microbiology	2 0	1.75		2
BIO 127.2	General Microbiology Lab.	0 6	1.75		2
BIO 157	Comparative Vertebrate Anatomy and Phylogeny	2 0	2.00		2
BIO 157.2	Comparative Vertebrate Anatomy and Phylogeny	6	1.75		2
BIO 113	Human Genetics	2 0	INC	1.25	2
BIO 113.1	Human Genetics Lab.	0 3	INC	1.25	1

**Summer 2006-2007**

BIO 198	Methods of Research	3 0	1.00		3
ENG 4	Introduction to Literature	3 0	1.50		3
PHYS 12	Intro to Physics II Lec.	3 0	1.75		3

**First Semester 2007-2008**

PHYS 12.1	Introductory Physics Laboratory II	0 3	1.25		1
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BIO 121	Immunology	2 0	2.25		2
BIO 121.1	Immunology Lab.	0 3	1.75		1
BIO 128	General Virology	2 0	1.50		2
PSYCH 1	Introduction to Psychology	3 0	2.00		3
BIO 158	Animal Histology	2 0	1.25		2
BIO 158.1	Animal Histology Lab.	0 3	1.50		1
BIO 136	Biogeography	3 0	2.00		3
BIO 196	SEMINAR IN BIOLOGY	1 0	1.00		1
BIO 120	Developmental Biology	2 0	INC	2.25	2
BIO 120.1	Developmental Biology Lab.	0 3	1.50		1

**Second Semester 2007-2008**

BIO 160	Parasitology	2 0	2.25		2
BIO 160.1	Parasitology Lab.	0 3	1.75		1
HIST. 3	History of Filipino Muslims and IP's of Minsupala	3 0	1.50		3
BIO 199	Undergraduate Thesis	3 0	P		3
SOCIO 1	Introduction to Sociology	3 0	2.50		3

GRADUATED with the **DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY (GENERAL BIOLOGY)**  
on **April 04, 2008**



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**DEPARTMENT OF BIOLOGICAL SCIENCES**  
**College of Science and Mathematics**  
**MSU-Iligan Institute of Technology**

**MASTER OF SCIENCE IN BIOLOGY**  
 (Courses in the Program of Study)

Name: Monaher May N. Apao

S.Y. 2008-2009

First Year, Second Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
Bio 281	Advanced Cell and Molecular Biology	3	2	3	5	Biology
Bio 248 (Major)	Radiation Biology	3	2	3	5	
Bio 264 (Major)	Molecular Basis of Growth Regulation	3	2	1	3	
Bio 253 (Major)	Molecular Genetics	3	2	3	5	
Total		12	8	10	20	

First Year, Summer

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
Bio 211	Advanced Systematics	3	2	3	5	Systematics
Bio 261 (Major)	Advanced Developmental Biology	3	2	3	5	
Total		6	4	6	10	

S.Y. 2009-2010

First Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
Bio 283 (Major)	Molecular Biology of Fermentation	3				
Bio 298	Advanced Research Methodology	3				Statistics
Total		6				

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## Second Year, Second Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
Bio 241 (Major)	Advanced Physiology	3				
MCB 241 (Major)	Microbial Physiology	3				
Total		9				

## Second Year, Summer

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
Bio 300	Master's Thesis	6				
Bio 296	Seminar in Biology	1				
Total		6				

## Second Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
Bio 300	Master's Thesis					
Total						

Prepared by:

*J. M. Oclarit*  
 J. M. Oclarit, Ph.D.  
 Adviser/Chair Guidance Committee

Approved by:

*Eduardo P. Ortega*  
 Prof. Eduardo P. Ortega  
 Chairman, Bio Dept./Graduate Program Committee

*Luisa S. Orbita*  
 Ma Luisa S. Orbita, Ph.D.  
 College Coordinator



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P.01

MINDANAO STATE UNIVERSITY

ILIGAN INSTITUTE OF TECHNOLOGY

Iligan City, Philippines

msu.iit.edu.ph

# CERTIFICATE OF REGISTRATION

310005

2004-2007

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Monahel May

ID No

Family Name

First Name

Home Phone

Gender

2006-2007 2nd

12/17/2006

MS BIO

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0.000

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School Year

Term

Date

Major

Year

GPA Prev

Scholarship Status

Course No	Section	Descriptive Title	Time	Days	Room	Lab	Grade	Comp	Cred
BIO 245	AAA	Radiation Biology		TBA		2	3		3
BIO 252	AAA	Molecular Genetics		TBA		2	3		3
BIO 264N	AAA	Molecular Basis of Growth Regulation	09:00-12:00	MON	232	2	1		3
BIO 281		Advanced Cell and Mol. Biology	01:00-03:00	SAT	232	2	3		3
		--lab schedule--	03:00-06:00	SAT	BL2				

\*\*\*\*\*NOTHING FOLLOWS\*\*\*\*\*

12-68

no (X) mark on  
**Student's Copy**

Total Units:

12

*Jose M. Oclarit*  
**JOSE M. OCLARIT, Ph.D.**

*Ed 1/24*

*By 11.20.1*  
REGISTERED

TOTAL P.01