



*Office of the Board Secretary*

LEYTE STATE UNIVERSITY  
Visca, Baybay, Leyte 6521 A  
Philippines

EXCERPTS OF APPROVED MINUTES OF THE  
9<sup>th</sup> LSU Board of Regents Meeting  
21 February 2003 \* LNU, Tacloban City

Proposal to Offer the Bachelor of Science  
In Environmental Management (BSEM)

Board Resolution No. 6, s. 2003

Approving the Proposal to Offer Bachelor of  
Science in Environmental Management, as  
originally proposed to include a subject in Solid  
Waste Management.

Certified True and Correct

  
**DANIEL M. TUDTUD JR.**  
*Board Secretary*

Board Action: **APPROVED**  
Date: 21 February 2003  
Attachment: G

Cc: OVPAA  
LSU-Alang-alang Campus  
Registrar



# LEYTE STATE UNIVERSITY

Visca, Baybay, Leyte 6521  
Philippines

*Office of the President*

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21 February 2003

The Honorable Chairman and  
Members of the LSU Board of Regents

*Ladies/Gentlemen:*

I am hereby endorsing the "Proposal to Offer Bachelor of Science in Environmental Management (BSEM)" which has been deliberated and approved by the University Academic Council during its meeting on 17 February 2003.

I am, therefore, recommending the same **FOR APPROVAL** by the Board of Regents.

Very truly yours,

PACIENCIA P. MILAN  
President

BOARD ACTION: \_\_\_\_\_

DATE : 21 February 2003



1                   **PROPOSAL TO OFFER THE BACHELOR OF SCIENCE IN**  
2                   **ENVIRONMENTAL MANAGEMENT (BSEM)**

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5   **I.     RATIONALE**

6  
7           Article II Section 16 of the Philippine Constitution provides that "The State  
8 shall protect and advance the right of the people to a balanced and healthful  
9 ecology in accord with the rhythm and harmony of nature." It is within the context  
10 of this constitutional mandate that the Alangalang Campus of Leyte State  
11 University proposes to offer the Bachelor of Science in Environmental  
12 Management.

13  
14          The proposal is also anchored on the commitment of the Philippine  
15 government to the UN Conference on Environment and Development (UNCED)  
16 in Rio de Janeiro in 1992 and the priority agenda for action in the Philippine  
17 Agenda 21 (A National Agenda for Sustainable Development) which stipulates  
18 the integration of environment and sustainable development in the various  
19 curricula.

20  
21          Further, the integration of the Alangalang Campus into the Leyte State  
22 University System and the subsequent resolution from the Board of Regents for it  
23 to serve as the College of Environmental and Agricultural Technology (CEAT)  
24 necessitates the design of new curricula in answer to its new mandate.

25  
26          The growing interest in environmental management curriculum in Leyte is  
27 shown by the recent survey conducted by CEAT among the top thirty students of  
28 the graduating classes of seven (7) secondary schools in the immediate service  
29 area of the College. Results revealed that 80 out of 142 students or 56 percent  
30 signified interest to enroll in the proposed BS in Environmental Management  
31 (BSEM) curriculum at CEAT-LSU (Appendix 1).

32  
33          The present alarming rate of degradation of the environment caused by  
34 urbanization, industrialization, rapid population growth, technology advancement,  
35 and other socio-economic factors need to be arrested. This requires  
36 professionals with solid background in various aspects of environmental  
37 management.

38  
39          Graduates of the program will be equipped with the knowledge and skills  
40 necessary for the sustainable management of natural and man-made  
41 environments. They will be knowledgeable not only in the biophysical and socio-  
42 economic basis of environmental protection, but also in the legal and health  
43 dimensions. Thus, they will be competent to design and implement holistic  
44 approaches of environmental management which is the trend today.

45  
46  
47   **II.    OBJECTIVE**

48  
49          This program aims to produce professionals in the field of environmental  
50 management.

51  
52  
53   **III.   TARGET CLIENTELE**

- 54  
55           1. High School graduates.  
56           2. Graduates of other degrees.  
57  
58



#### IV. EMPLOYMENT OPPORTUNITIES

1. Researchers
2. Teachers
3. Environmental technicians
4. Development workers and planners
5. Environmental Impact Analysis preparers
6. Land use planners

#### V. GRADUATE PROFILE

##### A. Cognitive

1. Acquire basic knowledge on the principles and applications in environmental management.
2. Analyze and evaluate problems and situations in forest, agricultural, urban, freshwater, and coastal environments.
3. Integrate knowledge on sustainable utilization of environmental resources to satisfy human needs.

##### B. Affective

1. Enhance awareness of environmental systems and problems.
2. Instill social responsibility in maintaining a healthy living environment.
3. Value the preservation of ecosystems for future generations.

##### C. Psychomotor

1. Apply ecological theories and principles for environmental protection and conservation.
2. Develop and implement strategies in managing environmental problems.
3. Formulate and conduct research methodologies for environmental management.
4. Demonstrate sustainable utilization of environmental resources.



1 VI. THE PROPOSED BACHELOR OF SCIENCE IN ENVIRONMENTAL  
2 MANAGEMENT CURRICULUM  
3

Term	Course No.	Descriptive Title	Hours		Units	Pre-requisites
			Lec	Lab		
FIRST YEAR						
1 <sup>st</sup> Sem	Bio 11	General Biology	3	3	4	
	Chem 11	General Chemistry I	3	3	4	
	Engl 11	Communication Skills I	3	0	3	
	Math 11	College Algebra	3	0	3	
	Psyc 11	General Psychology	3	0	3	
	SoSc 13	Socio-Economic Systems	3	0	3	
	PhyEd 11	Physical Fitness & Gymnastics	2	0	(2)	
	NSTP 11				(3)	
		Total units			20	
2 <sup>nd</sup> Sem	Bot 21	General Botany	2	3	3	
	Engl 12	Communication Skills II	3	0	3	Engl 11
	Math 22	Plane Trigonometry	3	0	3	Math 11
	Fil 11	Sining ng Pakikipagtalastasan at Retorika	3	0	3	
	SoSc 14	Phil. Social Problems, Land Reform & Taxation	3	0	3	
	Soci 11	General Sociology	3	0	3	
	Zoo 21	General Zoology	2	3	3	
	PhyEd 12	Recreational Games, Rhythmic Activities & Dance	2	0	(2)	PhyEd 11
	NSTP 12				(3.0)	NSTP 12
		Total units			21	
SECOND YEAR						
1 <sup>st</sup> Sem	Fil 12	Panitikang Filipino	3	0	3	
	Chem 21	General Chemistry II	2	3	3	Chem 11
	Engl 15	Advanced Grammar & Composition	3	0	3	
	Ecol 21	Fundamentals of Ecology	2	3	3	
	Human 11	Introduction to Humanities	3	0	3	Engl 12
	Bio 22	Principles of Genetics	2	3	3	
	Phys 11	General Physics	3	3	4	Math 12
	PhyEd 13	Team Sports	2	0	(2)	
		Total units			22	
2 <sup>nd</sup> Sem	Envi 111	Principles of Environmental Management	2	3	3	Ecol 21
	Micr 22	General Microbiology	2	3	3	
	Engl 21	Introduction to Literature	3	0	3	
	Stat 21	Elementary Statistics	2	3	3	
	Phys 21	College Physics	2	3	3	
	Philo 12	Contemporary Philosophical Thoughts	3	0	3	
	SS 22	Fundamentals of Soil Science	2	3	3	Chem 11
	PhyEd 14	Ind. & Dual Sports	2	0	(2)	
		Total units			21	
THIRD YEAR						
1 <sup>st</sup> Sem	SoSc 15	Phil. History, Govt. & Constitution	3	0	3	
	Chem 31	General Biochemistry	2	3	3	
	Stat 130	Statistical Methods	2	3	3	Stat 21
	CS 21	Introduction to Computers	2	3	3	
	Spch 11	Speech Communication	3	0	3	Engl 12
	Envi 113	Agro-Ecosystem Management	2	3	3	Envi 111
	Elective		2	3	3	Envi 111
		Total units			21	



1

<b>2<sup>nd</sup></b>	SoSc 16	Life and Works of Rizal	3	0	3	
<b>Sem</b>	Envi 112	Aquatic Resource Management	2	3	3	Envi 111
	Envi 114	Environmental Geomorphology	2	3	3	SS 22
	Envi 116	Environmental Chemistry	2	3	3	Envi 111
	Envi 118	Watershed Management	2	3	3	Envi 111
	Elective		2	3	3	Envi 111
	Envi 198	Research Planning & Manuscript Preparation	3	0	3	Engl 12
					<b>Total units</b>	<b>21</b>

**FOURTH YEAR****1<sup>st</sup>**

<b>Sem</b>	Envi 121	Geographic Information System	2	3	3	CS 21
	Envi 123	Natural Resource Economics	2	3	3	Envi111
	Envi 125	Introduction to Environmental Laws	3	0	3	Envi 111
	Envi 127	Environmental Health	3	0	3	Envi 111
	Envi 129	Land Use Policy & Planning	2	3	3	SS 22
	Envi 200	Undergraduate Thesis	1	0	2	Envi 198
					<b>Total</b>	<b>17</b>

**2<sup>nd</sup>**

<b>Sem</b>	Envi 124	Environmental Impact Assessment	2	3	3	
	Envi 199	Undergraduate Seminar	1	0	1	Envi 198
	Envi 200	Undergraduate Thesis	4	0	4	
					<b>Total</b>	<b>8</b>

**Total Units****151**

<b>FIRST YEAR</b>	1 <sup>st</sup> Semester	<b>20</b>
	2 <sup>nd</sup> Semester	<b>21</b>
<b>SECOND YEAR</b>	1 <sup>st</sup> Semester	<b>22</b>
	2 <sup>nd</sup> Semester	<b>21</b>
<b>THIRD YEAR</b>	1 <sup>st</sup> Semester	<b>21</b>
	2 <sup>nd</sup> Semester	<b>21</b>
<b>FOURTH YEAR</b>	1 <sup>st</sup> Semester	<b>17</b>
	2 <sup>nd</sup> Semester	<b>8</b>
<b>TOTAL</b>		<b>151</b>

2  
3  
4  
5**V. COURSE ANALYSIS****A. General Education****1. Language, Speech & Humanities**

Engl 11	Communication Skills I	3	0	3
Engl12	Communication Skills II	3	0	3
Spch 11	Speech Communication	3	0	3
Fil 11	Sining ng Pakikipagtalastasan at Retorika	3	0	3
Fil 12	Panitikang Filipino	3	0	3
Hum 11	Introduction to Humanities	3	0	3
Philo 12	Contemporary Philosophical Thoughts	3	0	3
<b>Sub-Total</b>				<b>21</b>

**2. Mathematics, Natural Sciences & IT**

Math 11	College Algebra	3	0	3
Math 22	Plane Trigonometry	3	0	3
Phys 11	General Physics	3	3	4
Chem 11	General Chemistry I	3	3	4
Bio 11	General Biology	3	3	4
<b>Sub-Total</b>				<b>18</b>



**3. Social Sciences**

Soci 11	General Sociology	3	0	3
Psyc 11	General Psychology	3	0	3
SoSc 13	Socio-Economic Systems	3	0	3
SoSc 14	Phil Social Problems, Land Reform & Taxation	3	0	3
Sub-Total				<b>12</b>

**4. Mandated Courses**

SoSc 15	Phil History, Gov't. & Constitution	3	0	3
SoSc 16	Life & Works of Rizal	3	0	3
Sub-Total				<b>6</b>

**B. Fundamental Courses**

Engl 15	Advanced Grammar & Composition	3	0	3
Engl 21	Introduction to Literature	3	0	3
Chem 21	General Chemistry II	2	3	3
Chem 31	General Biochemistry	2	3	3
Phys 21	College Physics	2	3	3
Bio 22	Principles of Genetics	2	3	3
Bot 21	General Botany	2	3	3
Zoo 21	General Zoology	2	3	3
Micr 22	General Microbiology	2	3	3
SS 22	Fundamentals of Soil Science	2	3	3
Ecol 21	Fundamentals of Ecology	2	3	3
CS 21	Introduction to Computer Science	2	3	3
Stat 21	Elementary Statistics	2	3	3
Stat 130	Statistical Methods	2	3	3
Sub-Total				<b>42</b>

**B. Major Courses**

Envi 111	Principles of Environmental Management	2	3	3
Envi 112	Aquatic Resources Management	2	3	3
Envi 113	Agro-Ecosystem Management	2	3	3
Envi 114	Environmental Geomorphology	2	3	3
Envi 116	Environmental Chemistry	2	3	3
Envi 118	Watershed Management	2	3	3
Envi 123	Natural Resource Economics	2	3	3
Envi 121	Geographic Information System	2	3	3
Envi 125	Introduction to Environmental Laws	3	0	3
Envi 124	Environmental Impact Assessment	2	3	3
Envi 127	Environmental Health	3	0	3
Envi 129	Land Use Policy & Planning	2	3	3
Envi 198	Research Planning & Manuscript Preparation	3	0	3
Envi 199	Undergraduate Seminar	1	0	1
Envi 200	Undergraduate Thesis	6	0	6
Sub-Total				<b>46</b>

**C. Major Elective Courses (select 2)**

Envi 115	Coastal and Marine Resource Management	2	3	3
Envi 117	Wetlands Management and Conservation	2	3	3
Envi 119	Soil Pollution and Remediation	2	3	3
Envi 122	Socio-ecology	2	3	3
Sub-Total				<b>6</b>



1

**SUMMARY OF COURSES****A. General Education**

- Language, Speech & Humanities	21
- Mathematics, Natural Sciences & IT	18
- Social Sciences	12
- Mandated Courses	6

**B. Fundamental Courses**

42

**C. Major Courses, Environmental Management**

46

**D. Major Elective Courses**

6

**TOTAL CREDIT UNITS****151****Non-credit required courses**

PhyEd 11	Physical Fitness & Gymnastics	2	0	(2)
PhyEd 12	Recreational Games, Rhythmic Activities & Dance	2	0	(2)
PhyEd 13	Team Sports	2	0	(2)
PhyEd 14	Individual/ Dual Sports	2	0	(2)
NSTP 11		3	0	(3.0)
NSTP 12		3	0	(3.0)

2

3

**VII. INSTITUTION OF NEW COURSES**

4

5

**A) Major Courses**

6

7

Course Number : **Envi 111**

8

Course Title : ***Principles of Environmental Management***

9

Course Description : Nature and management of forest, agricultural, wetland, urban and marine environments.

10

11

Prerequisite : Ecol 21 ( Fundamentals of Ecology)

12

Credit Units : 3 units (5 hrs/week; 2 lec, 3 lab)

13

Rationale : The course shall provide the students with basic knowledge on the different ecosystems as a foundation for the major courses.

14

15

16

17

Course Number : **Envi 112**

18

Course Title : ***Aquatic Resources Management***

19

Course Description : Principles and approaches of aquatic resources management.

20

21

Prerequisite : Envi 111 (Principles of Environmental Management)

22

Credit Units : 3 units (5 hrs/week; 2 lec, 3 lab)

23

Rationale : Students of the course shall acquire theory and practical skills in the sustainable management of fresh water and marine resources.

24

25

26

27

Course Number : **Envi 113**

28

Course Title : ***Agro-Ecosystem Management***

29

Course Description : Management of agricultural systems for sustainable crop and livestock production.

30

31

Prerequisite : Envi 111 (Principles of Environmental Management)

32

Credit Units : 3 units (5 hrs/week; 2 lec, 3 lab)



1	Rationale	: The course is designed to provide the students with a
2		knowledge of sustainable crop and livestock production
3		systems.
4		
5	Course Number	: <b>Envi 114</b>
6	Course Title	: <b><i>Environmental Geomorphology</i></b>
7	Course Description	: Landscape history and development and its relation to
8		environmental issues.
9	Prerequisite	: SS 22 (Fundamentals of Soil Science)
10	Credit Units	: 3 units (3 hours/week; 2 lec, 3 lab)
11	Rationale	: The students shall learn about the different forces involved
12		in landscape formation which is of utmost importance to
13		the understanding of environmental problems.
14		
15	Course Number	: <b>Envi 116</b>
16	Course Title	: <b><i>Environmental Chemistry</i></b>
17	Course Description	: Theory and principles on the chemical processes in the
18		environment .
19	Prerequisite	: Envi 111 (Principles of Environmental Management)
20	Credit Units	: 3 units (5 hrs/week; 2 lec, 3 lab)
21	Rationale	: The course shall provide the students with basic
22		knowledge on the chemical reactions and interactions of
23		pollutants in the environment.
24		
25	Course Number	: <b>Envi118</b>
26	Course Title	: <b><i>Watershed Management</i></b>
27	Course Description	: Regulation, conservation and administration of watershed
28		resources for environmental and human welfare;
29		sustainable production of forest products, and control of
30		soil erosion, streamflow and floods.
31	Prerequisite	: Envi 111 (Principles of Environmental Management)
32	Credit Units	: 3 units (3 hrs/week; 2 lec, 3 lab)
33	Rationale	: The course shall provide the students with theoretical
34		knowledge and practical experience in the sustainable
35		management of watersheds.
36		
37	Course Number	: <b>Envi 121</b>
38	Course Title	: <b><i>Geographic Information System</i></b>
39	Course Description	: Use of GIS in environmental resources management.
40	Prerequisite	: CS 21(Introduction to Computers)
41	Credit Units	: 3 units (3 hrs/week; 2 lec. 3 lab)
42	Rationale	: This course shall provide the students with knowledge and
43		skills on the use of state of the art GIS technology. They
44		shall also learn how to use this powerful modern tool in the
45		evaluation and management of environmental problems.
46		
47	Course Number	: <b>Envi 123</b>
48	Course Title	: <b><i>Natural Resource Economics</i></b>
49	Course Description	: Economic evaluation on the use and allocation of
50		environmental resources.
51	Prerequisite	: Envi 111 (Principles of Environmental Management)
52	Credit Units	: 3 units (3 hrs/week; 3 lec)
53	Rationale	:The course shall equip the students with principles and
54		decision-making tools in evaluating natural resource use
55		for sustainable development.
56		
57	Course Number	: <b>Envi 124</b>
58	Course Title	: <b><i>Environmental Impact Assessment</i></b>
59	Course Description	: Methods and techniques in environmental impact analysis;
60		processes and causes of degradation of the environment.



1	Pre-requisite	: Senior Standing
2	Credit Units	: 3 units (5 hrs/week; 2 lec, 3 lab)
3	Rationale	: Students of this course shall acquire knowledge and
4		practical skills in the analysis of the environmental effects
5		of various human interventions in the ecosystem.
6		
7	Course Number	: <b>Envi 125</b>
8	Course Title	: <b><i>Introduction to Environmental Laws</i></b>
9	Course Description	: Basic knowledge on fundamental laws and concerns in the
10		Philippines as well as related international laws.
11	Prerequisite	: Envi 111(Principles of Environmental Management)
12	Credit Units	: 3 units (3 hrs/week; 3 lec)
13	Rationale	: This course shall enhance students' awareness of man's
14		legal responsibility in promoting a balanced ecosystem.
15		
16	Course Number	: <b>Envi127</b>
17	Course Title	: <b><i>Environmental Health</i></b>
18	Course Description	: Impact of pollution on human health; prevention and control
19		of pollution-related diseases.
20	Prerequisite	: Envi 116 (Environmental Chemistry)
21	Credit Units	: 3 units (3 hrs/week; 3 lec)
22	Rationale	: The course is designed to provide the students with basic
23		knowledge of the connection between environmental
24		pollution and human health.
25		
26	Course Number	: <b>Envi 129</b>
27	Course Title	: <b><i>Land Use Policy and Planning</i></b>
28	Course Description	: Rural and urban land utilization: principles, methods and
29		processes.
30	Prerequisite	: SS22 (Fundamentals of Soil Science)
31	Credit Units	: 3 units (3 hrs/week; 2 lec, 3 lab)
32	Rationale	: In this course, the students shall be taught how to design
33		comprehensive land use plans for the sustainable use of
34		agricultural and non-agricultural lands. Students shall also
35		learn the process of strategic land use planning.
36		
37	Course Number	: <b>Envi 198</b>
38	Course Title	: <b><i>Research Planning &amp; Manuscript Preparation</i></b>
39	Pre-requisite	: Engl 12 (Communication Skills II)
40	Credit Units	: 3 units (3 hrs/week; 3 lec)
41	Rationale :	Students shall acquire the necessary knowledge and skills
42		in planning and conducting a research study, and in
43		interpreting and writing the results of their study.
44		
45	Course Number	: <b>Envi 199</b>
46	Course Title	: <b><i>Undergraduate Seminar</i></b>
47	Prerequisite	: Envi 198 (Research Planning & Manuscript Preparation)
48	Credit Units	: 1 unit
49	Rationale	: The course shall teach students how to prepare for an oral
50		presentation and shall provide them with the skills and
51		techniques in presenting a paper.
52		
53	Course Number	: <b>Envi 200</b>
54	Course Title	: <b><i>Undergraduate Thesis</i></b>
55	Prerequisite	: Senior Standing
56	Credit Units	: 6 units
57	Rationale	: This course shall allow the students to apply the
58		knowledge and skills they learned in the major courses to
59		conduct an independent research work in environmental
60		management.



## B) Major elective courses (select 2)

1		
2		
3	Course Number	: <b>Envi 115</b>
4	Course Title	: <b><i>Coastal and Marine Resource Management</i></b>
5	Course Description	: Principles and approaches of coastal and marine resource
6		management
7	Prerequisite	: Envi 111 (Principles of Environmental Management)
8	Credit Units	: 3 units (5 hrs/week; 2 lec, 3 lab)
9	Rationale	: Students of the course shall acquire theory and practical
10		skills in the sustainable management of coastal and marine
11		resources.
12		
13	Course Number	: <b>Envi 117</b>
14	Course Title	: <b><i>Soil Pollution and Remediation</i></b>
15	Course Description	: Soil as central component of terrestrial ecosystems;
16		pollution and remediation of soils in various environments.
17	Prerequisite	: SS 22 (Fundamentals of Soil Science)
18	Credit Units	: 3 units (5 hrs/week; 2 lec, 3 lab)
19	Rationale	: Students in this course shall understand the functions of
20		the soil in various ecosystems. They shall also learn how to
21		evaluate and alleviate soil pollution in agricultural, industrial
22		and urban areas.
23		
24	Course Number	: <b>Envi 118</b>
25	Course Title	: <b><i>Socio-ecology</i></b>
26	Course Description	: Human history, human impact on the environment and
27		urbanization.
28	Prerequisite	: Envi 111 (Principles of Environmental Management)
29	Credit Units	: 3 units (3 hrs/week; 3 lec)
30	Rationale	: Students shall understand the history of human civilization,
31		especially of Southeast Asia and man's increasing impact
32		on the environment. Social factors leading to
33		overpopulation and urbanization will be identified and
34		discussed in the context of the relationship of development
35		and environmental degradation.
36		
37	Course Number	: <b>Envi 119</b>
38	Course Title	: <b><i>Wetlands Management and Conservation</i></b>
39	Course Description	: Characteristics, ecological functions, management and
40		conservation of wetlands.
41	Prerequisite	: Envi 111(Principles of Environmental Management)
42	Credit Units	: 3 units (3 hrs/week; 2 lec, 3 lab)
43	Rationale	: The course shall enable the students to appreciate the
44		ecological, social and economic value of wetlands. They
45		shall learn how to manage and conserve this valuable
46		resource.



# VIII. EXISTING LABORATORY FACILITIES

	Quantity	Unit
1. Refrigerator	2	Unit
2. Oven	2	Unit
3. Gas Range	1	Unit
4. Analytical Balance	2	Set
5. Spring Balance, 25 kg capacity	2	Set
6. Spring Balance, 30 kg capacity	2	Set
7. Weighing Scale, 30 kg capacity	2	Set
8. Engineer's Transit & Accessories	1	Set
9. Surveyor's Tape	2	Pc
10. Microscope	10	Unit
11. Commonly used glassware, graduated cylinders, flasks, beakers	5 each size	Pc
12. Overhead Projector	1	Unit
13. Differential Hoist Pulley	1	Unit
14. Grinder, Bench Mounted	1	Unit
15. Grease Injector	1	Unit
16. Electric Drill, 1/2" diam.	1	Unit
17. Battery Charger, 6 – 12 volts	3	Unit
18. ACDC Power Supply	1	Unit
19. Computer	4	Unit

## List of additional laboratory equipment in the cooperating departments in the Main Campus which can be used by BSEM students

1. pH meters	3	units
2. Spectrophotometers	2	units
3. Digesters*	1	unit
3. Fume hoods	3	units
4. Shakers	2	units
5. Conductivity meter	1	unit
6. Hot plates	5	units
7. Furnaces	2	units
8. Analytical balances	2	units
9. Atomic absorption spectrophotometer	1	unit



## IX. FACULTY PROFILE

Name of Faculty	Degree	Speciali- zation	Subject(s) to be handled
<b>A. CORE STAFF</b>			
1. Eppie N. Katangkatang	BS Biology	Biology	Envi 111 Envi 117 Envi 124 Envi 200
2. Obdulio R. Masendo	BSIE (Electricity) BSCE	Engineering	Envi 129
3. Lilibeth G. Miralles	BS Ag Eng'g MA Ed (Educ Mgt)	Ag Eng'g Ed Mgt	Envi 112 Envi 129 Envi 199 Envi 200
4. Manuel S. Rona	MS Ag Dev Ed PhD (Educ Mgt) Bachelor of Laws	Ag Ed & Dev Ed Mgt Law	Envi 113 Envi 125
5. Marichu M. Padayao	BS Ag Econ M Management	Ag Econ Management	Envi 123 Envi 199 Envi 200
6. Rodrigo G. Caduhay	BS Ag Ed	Ag Ed	Envi 113 Envi 199
7. Alfredo Porcare	MS	Animal Sci.	Envi 113 Envi 198 Envi 200
<b>B. AFFILIATE FACULTY</b>			
1. Victor B. Asio	PhD	Soil Science & Geo-ecology	Envi 114 Envi 117 Envi 129 Envi 200
2. Buenaventura B. Dargantes	PhD	Socio-Ecology	Envi 113 Envi 122 Envi 200
3. Marita Galinato	MS	Plant Ecology	Envi 117
4. Teofanes Patindol	PhD	Environmental Science	Envi 122
5. Justino M. Quimio	PhD	Vegetation Science	Envi 111 Envi 200
6. Paciencia P. Milan	PhD	Biology	Envi 115 Envi 122 Envi 200



7. Bernadette P. Germano	PhD	Marine Ecology	Envi 115 Envi 200
8. Pastor P. Garcia	PhD	Agricultural Engineering	Envi 121 Envi 129 Envi 200
9. Felix Salas	PhD	Environmental Chemistry	Envi 116 Envi 200
10. Delsersgs J. M. Abit	MD		Envi 124
11. Reineria Tan*	MD		Envi 124
12. Lydia Balongga**	MD		Envi 124

\* with RHU-Alang-alang

\*\* with the Schisto Research and Control Center in Palo Leyte



**Appendix 1. Survey of the course preferences of the graduating High School students within the immediate service area of LSU-AC (upper 30% of the Graduating Classes for SY 2002-2003)**

Table 1. Number of student-respondents per high school included in the survey

Name of High School	Number of Respondents
1. San Miguel National High School (SMNHS)	25
2. Astorga National High School (AsNHS)	15
3. Sta. Cruz National High School (SCNHS)	10
4. Holy Trinity College (HTC)	12
5. Alangalang National High School (ANHS)	28
6. Notre Dame of Jaro (NDJ)	24
7. Granja Kalinawan National High School (GKNHS)	28
Total	142

Table 2. Gender of the student-respondents

Gender	Number	Percentage
Male	40	28
Female	102	72
Total	142	100

Table 3. Extent of interest of student respondents to enroll in proposed courses of LSU-AC.

Proposed Course/Program	No Response	Not Interested	Interested	Rank
1. BS in Environmental Management (BSEM)	4 (3%)	58 (41%)	80 (56%)	2
2. BS in Environmental Technology (BSET)	3 (2%)	55 (39%)	84 (59%)	1
3. Bachelor of Secondary Education (BSEd)	2 (1%)	72 (51%)	68 (48%)	5
4. Bachelor of Elementary Education (BEEd)	5 (4%)	68 (48%)	69 (49%)	4
5. BS Agricultural Technology (BSAT)	5 (4%)	67 (47%)	70 (49%)	3

*\* Multiple Response*