

Bachelor of Science in Environmental Science

Z S C M S T



BAGONG PILIPINAS



AREA II

Parameter F: PROFESSIONAL PERFORMANCE
AND SCHOLARLY WORKS

IMPLEMENTATION

I.1 |

Demonstrate Skills and competencies in all
of the following:

I.1.3 knowledge/mastery of the content,
issues and methodologies in the discipline;



The Faculty hold advanced degrees (Master's and Doctorate) in their respective fields, which ensures a solid foundation of theoretical and practical knowledge.

Name (General Education and Professional Faculty)	Age	Title of Profession & PRC No.	No. of Years in Teaching	Educational Attainment			Employment Status (State whether Contractual, Part-time or Full-Time, attach appointment or contract)	Field of Specialization	Subjects Handled
				Baccalaureate Degree	Master's Degree	Doctoral Degree			
Dean:									
Tito, Oliver D.	58	LPT - PRC No.: 0753629 Fisheries Technologist- PRCNo.:00011571	30	BS - Biology	MS - Marine Biodiversity	Doctor of Philosophy in Fisheries	Full Time Permanent	Biology Fisheries	
Program Adviser:									
Pasion, Ahasmarie C.	29	LPT - PRC No.: 1793629	3	BS - Environmental Science	MS - Environmental Science	None	Full Time Permanent	Environmental Science	1. ES 14 - Solid and Haz. Waste Mngt. RES 2 - Undergraduate Thesis I
Faculty:									
Alabata, Rocelyn R.	49	LPT - PRC No.: 1147211	27	BSE- Chemistry	MA in Teaching College Chemistry MAEd in Science Education	PhD in Education, major in Curriculum and Supervision	Full Time Permanent	Chemistry, Science Education	1. CHEM 1 - Inorganic Chemistry 2. CHEM 2 - Organic Chemistry 3. CHEM 3 - Analytical Chemistry ES 3 - Chemistry for Environmental Pollution
Abdurajak-Piñero, Kia P.	28	Career Service Professional	9	BS - Environmental Engineering	MS - Environmental Resources Management	None	Full Time Permanent	Environmental Engineering.	1. ES 13 - EIA 2. ES 15 - Env. Planning

					MS - Environmental Engineering (30 units earned)			Environmental Science and Management	3. ES 6 - Earth Science 4. ES 9 - Envi. Health and Sanitation 5. ES 12 - Envi. Remote Sensing 6. ES 11 - Envi. Mngt
Bulay-og, Reward	25	Civil Service Eligibility	2	BS- Environmental Science	MS- Environmental Resources Management (CAR)	None	Temporary	Environmental Science and Environmental Resource Management	1. Bio 2 - Evolutionary Biology 2. ES 1 - Gen. Ecology 3. ES 7 - Envi. Toxicology 4. Gen. Bio 1 - Botany and Zoology 5. ES 2 - Principles of Geology 6. ES 3 - Chem. For Env. Pol
Mandaog, Roxcette A.	32	N/A	1 yr and 11 months	BS-Environmental Science	MS- Environmental Resource Management (Thesis Writing)	N/A	Visiting Lecturer	Environmental Science and Environmental Resource Management	1. ES 4-Hydrogeology 2. ES 13- Remote Sensing 3. ES 2- Principle of Geology 4. ES 1-General Ecology 5. ES 9- Envi Health and Sanitation 6. ES 11- Environmental Resource Mgt. 7. BIO 1- Gen Bio 8. ES 16- Environmental Monitoring 9. ES 3- Envi Pollution

Prepared by:

Kia P. Piñero
KIA P. PIÑERO-ABDURAJAK
BSES Faculty

Noted by:

Ahasmarie C. Pasion-Pasinabo
AHASMARIE C. PASION-PASINABO
Program Adviser



Charter: Republic Act No. 1387 (1955), as amended by R.A Nos. 1893, 3791 (1963) and 3868

ILIGAN INSTITUTE OF TECHNOLOGY

Charter: Republic Act No. 5363(1968)

Iligan City, Republic of the Philippines

*By authority of the Republic of the Philippines, the Board of Regents,
on the recommendation of the University Council, has conferred on*

AHASMARIE C. PASION

THE **DEGREE**

Master of Science in Environmental Science

*with all the Rights and Honors as well as the Duties and
Obligations appertaining thereto. In testimony whereof are affixed
on this Diploma the Seal of Mindanao State University-Iligan
Institute of Technology, and the signatures of the President of the
MSU System, and of the Chancellor and the Registrar of the Institute.*

*Given at Iligan City, Republic of the Philippines,
this 5th day of July in the year 2017.*

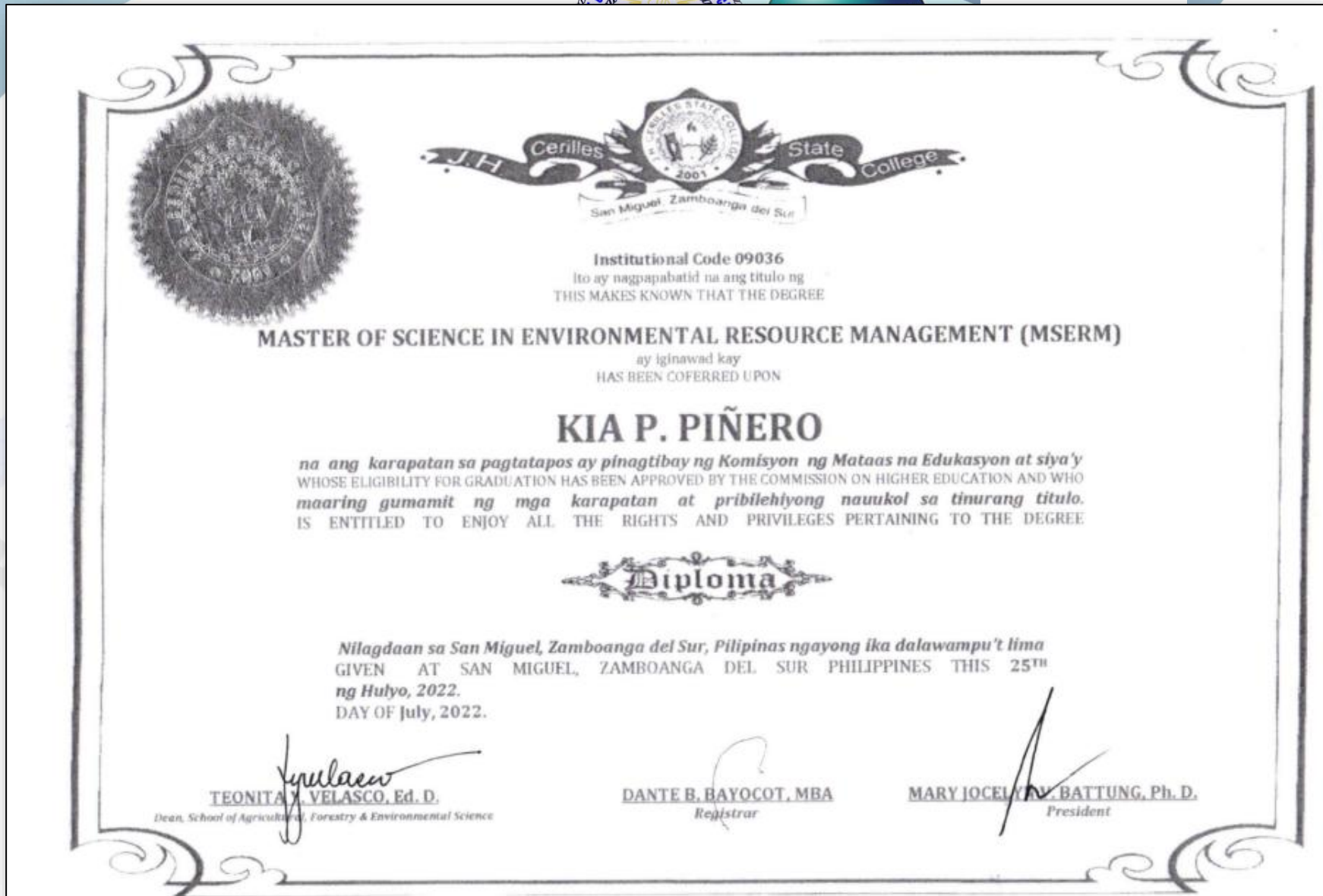


H. Macayong
HABIB W. MACAYONG, DPA
PRESIDENT, MSU SYSTEM

Jerson N. Orejudos
JERSON N. OREJUDOS, Ph.D.
REGISTRAR

Sukarno D. Pangsol
SUKARNO D. PANGSOL, DPA
CHANCELLOR

**Copy of Diploma for the MS Degree in Environmental Science of Ms.
Ahasmarie C. Pasion**



Copy of Diploma for the MS Degree in Environmental Resource Management of Ms. **Kia P. Piñero**



Faculty utilize discipline-specific methods (e.g., experimental design, qualitative/quantitative analysis, case method, field studies, simulations, statistical modeling) depending on the nature of the course.

<p>C. Environmental Impact Assessment (EIA) Regulatory Framework</p> <p>a. describe the legal/regulatory framework of EIA.</p> <p>b. enumerate the environmentally critical projects and environmentally critical areas covered by EIA in the Philippines.</p> <p>c. explain how EIA is being administered in the Philippines.</p> <p>d. give the documents needed for the Philippine EIA system.</p>	<p>a. Legal Framework of EIA</p> <p>b. Administrative Framework of EIA</p> <p>c. Coverage of the Philippine EIA System</p> <p>d. Monitoring and Enforcement in EIA</p> <p>e. Problems and Limitation of the Philippine EIS System</p>	<p>Health Impact Assessment Guidelines, Health Council, Australia, September 2001 http://enhealth.nphp.gov.au/council/pubs/pdf/hia_guidelines.pdf WHO (1999) Gothenburg Consensus Paper. WHO Regional Office for Europe. Retrieved December 10, 2006</p>	<p>a. Go to a nearby office of the Environmental Management Bureau and interview the person in-charge of EIA and other 2 persons of EMB regarding the problems and conflicts in the legal and administrative framework of the Philippine EIA system. Make an interview questionnaire and submit the</p>	<p>a. Term Examination</p> <p>b. Activity Reports</p> <p>c. Research Paper</p> <p>d. Oral recitation</p>	<p>Reading Materials</p> <p>Multi-media Projector</p> <p>Computer/Laptop</p> <p>Worksheets</p>	<p>2 weeks (12 hours)</p>
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<p>e. explain the Philippine EIS system.</p> <p>f. give the steps necessary in securing an Environmental Compliance Certificate (ECC).</p> <p>g. enumerate some problems and limitations of Philippine EIS system.</p> <p>h. explain how monitoring and enforcement are being implemented in the Philippine EIS system.</p> <p>i. give the importance of public participation in EIA.</p>	<p>f. Public Participation in EIA</p>		<p>results of your interview to your professor.</p>			

Excerpts from the ES 13 Syllabus – EIA



<p>E. Identification, Prediction and Assessment of Impacts</p> <p>a. identify and predict the various impacts of a development project in physical and biological resources.</p> <p>b. apply the various methods in the prediction of impacts in physical and biological resources of a development project in a certain area.</p>	<p>a. Methods of Identification, Prediction and Assessment of Impacts of Physical and Biological Resources</p> <p>1. Physical Resources (Air)</p> <p>2. Physical Resources (Soil)</p> <p>3. Physical Resources (Water)</p> <p>4. Biological Resources Plant</p>	<p>Alberto, A.M.P., R.T. Alberto and D.S. Vargas. 2007. Self-Learning Module in Basic Environmental Impact Assessment. Open University and Environmental Management Institute, Central Luzon State University, Science City of Muñoz, Nueva Ecija.</p> <p>Revised Procedural Manual DAO-30</p>	<p>Lecture-Discussion through visual presentation</p> <p>Dimensional Question Approach</p> <p>Conduct an actual industrial pollution assessment.</p>	<p>a. Final Examination</p> <p>b. Activity Report</p>	<p>Reading Materials</p> <p>Multi-media Projector</p> <p>Computer/ Laptop</p> <p>Worksheets</p>	<p>2 weeks (12 hours)</p>
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<p>c. determine the causes and explain effects of the impacts in the environment.</p> <p>d. determine the mitigation measures applicable to the various impacts identified in the physical and biological resources</p>	<p>and Animal Ecology</p> <p>5. Spatial Expansion of Agricultures</p> <p>6. Agricultural Intensification</p> <p>7. Impacts of Deforestation</p> <p>b. Human Health and Welfare Impacts</p> <p>c. Conclusion: Uncertainty in Prediction</p>					
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Excerpts from the ES 13 Syllabus – EIA

