



PROAC Form 1

PROGRAM NAME: Natural Resource Management Program

GROUP: _____ (A) No. 10

Protocol Route Slip	Name	Title	Initial	Date
Received by PROAC Chair:	Ms. Jacqueline Che	Director of Office Institutional Effectiveness	JC	May 28, 2015
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Reviewed by PROAC Member: _____

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PROAC Form 1 Natural Resource Management Program - 2014

NMC MISSION STATEMENT	: “Northern Marianas College, through its commitment to student learning, provides high quality, affordable and accessible educational programs and services for the individual and people of the Commonwealth”
PROGRAM MISSION STATEMENT (Column 1)	The NRM program mission is to support local initiatives and priorities developed within the islands toward conserving and protecting its precious natural resources, and to promote the efficient use of human, institutional, and financial resources to meet local and regional goals and objectives. A key element within the program is effective capacity building and development at both the institutional and community level, reducing the reliance on external expertise and increasing the ability and capacity of local institutions and individuals to address the ever increasing environmental challenges faced by the islands. The NRM program curriculum encourages and follows a regional approach to solving problems and developing strategies through working in cooperation with the local agencies, organizations, and individuals toward producing effective management of the region’s coral reefs, fisheries, marine biotechnology, and ocean resources.

INTENDED PROGRAM/SERVICE OUTCOMES (Column 2)	MEANS OF ASSESSMENT AND SUCCESS CRITERIA (Column 3)	SUMMARY OF DATA COLLECTED (Column 4)	USE OF RESULTS (Column 5)
<i>1. Students will be able to demonstrate an understanding of the methodology of system integration and best practices of conservation management.</i>	<i>All NRM students are required to take NR 153 Environmental Conservation, one of the program’s course requirements. This course continues the study of human impact on the use, degradation, , restoration, and the long term sustainable management of land, sea, water, and air. Students are assessed on their comprehension of the methodology of system integration and best practices of conservation management. The</i>	The NR 153 Environmental Conservation, NR 255 Conservation Politics and Economics, and NR 290 Special Topics have been taught for the past semesters since the Fall 2010 when the Program Coordinator boarded NMC.. NR 153: Environmental Conservation- Of the fourteen (14) students who attended the Spring 2015 Semester, the average grade for all course	The three courses under review, namely, NR 153, NR 290, and NR 295 have been successful with respect to their SLOs requirements being met and their relatively higher rate of completion rates compared to the same courses undertaken during the previous years. Overall, the completion rates for NR 153, NR 290 and NR 295 are significantly successful for

	<p><i>modes of assessments are the Pre- and Post Modular Evaluation (written test and exams), Research/Case Reports, and students oral presentations:</i></p> <p><i>1) Seventy (70) percent of students will effectively understand, demonstrate, and value the human impact on the use, degradation, restoration, and long term sustainable management of land, water, and air.</i></p>	<p>requirements is 87 percent. Only eight (8) students were below average, of whom one student got incomplete due to lack of final exam for some reasons. Six other students are above average. or an average of 93 percent.</p> <p>Overall, this exceeds the desired 70 % success rate for the course.</p>	<p>the students to continue at the next level of advanced courses, particularly in the capstone courses.</p> <p>For the NR 290, the students both orally and in writing have presented their output in Island Ecology Course and in curricular development via formulation of IDP in BSc in NRM and the Community Needs Assessment and in effectively conducting research/survey investigations on their emphasis areas of interest and in survey of environmental organizations.</p> <p>These evaluative results and observations were used as part of a comprehensive, integrative and demonstrative aspects of student proficiency in the NRM sciences and the environmental field of studies.</p> <p>Recommendations:</p> <ol style="list-style-type: none"> 1. On the basis of this Academic Program review, the NRMP supports and reiterates the previous cycles recommendations.
<p>2. Students will be able to demonstrate knowledge and skills in special studies/research not otherwise offered in the curriculum.</p>	<p><i>All NRM students are required to take NR 290 Special Topics in NRM, one of the program's course requirements. Assessment measures include the following: the Pre- and Post Evaluation (including quizzes and exams); special case/research/reports and other behavioral performance such as public presentations and recitations:</i></p> <p><i>1) Seventy (70) percent of students will effectively understand, demonstrate, and value the knowledge and skills in special studies/research not otherwise offered in the existing curriculum</i></p>	<p>The NR 290 Special Topics in NRM on (Island Ecology Course), had been team taught (by faculty members from UOG, Rice University, Texas & NMC) only for the last two semesters (Spring 2012 & Spring 2015).</p> <p>Of the eight (8) students (two graduating), who attended during the Spring Semester 2015, the average grade is 94..</p> <p>Overall, this exceeds the desired 70 percent success rate for the course.</p>	<ol style="list-style-type: none"> 2. The NRMP also suggest to follow the develop and submitted Strategic Action Plan (2010-2020) for the creation of the BSc in NRM in the medium term and the MESAM Center in the longer term. 3. The proposed IDP and suggested courses therein is accorded to the proposed emphasis areas of biotic, abiotic and soial sciences perspectives. Once the IDP is finalized the proposed Core Faculty Staffing should be determined and appointed. 4. The NRMP is envisioned to take the three pronged functions of teaching/instruction, research & development, and outreach and extension program.
<p>3. Students will be able to enhance technical writings, public speaking skills and competencies..</p>	<p><i>All NRM students are required to take NR 295 Natural Resources Management Seminar,. a capstone course for the program. This course provides students with a background and confidence to discuss topics of research, express</i></p>	<p>NR 295 NRM SEminar had been taught since the past Spring 2010 Semester, and now Spring semester with thirteen (13) students and with an average grade for all course requirement of 83 percent. Only four students were below average, of</p>	<p>should be explored for our career advancing students.</p>

	<p><i>themselves and their observations, and communicate science in a variety of medium. Pre- and Post assessments of the active engagement of students in coming out with a final written output of the assigned seminar/research relevant topics including its presentations.</i></p> <p><i>1) Seventy (70) percent of the students will effectively understand, demonstrate and value the environmental and natural resources activities covering the CNMI, federal and international/global jurisdictions.</i></p>	<p>whom two (2) got a very low D grade..</p> <p>Overall, however, this exceeds the desired 70 percent success rate for the course.</p>	
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