

Northern Marianas College
CURRICULUM ACTION REQUEST

Effective Semester / Session: Fall 2018

Type of Action:

- New
- Modification
- Move to Inactive (Stop Out)
- Cancellation

Course Alpha and Number: NR 255 (Previously BI 255)

Course Title: Conservation Politics and Economics

Reason for initiating, modifying, or canceling:

This course is being modified for periodic updates and addition of required textbooks.


Dr. Alfredo B. De Torres

3-28-19

Proposer

Date


Dr. Alfredo B. De Torres

3-28-19

Department Chair

Date


Adam Walsh

6.5.20.19

Language & Format Review Specialist

Date


Ajani Burrell

4/5/19

Academic Council Chair

Date


Charlotte Cepeda

6/11/19

Dean, Learning and Student Success

Date

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Course: NR255

1. Department

Natural Resource Management

2. Purpose

NR 255 is the fourth core course in the Natural Resource Management, Associate in Science degree. Natural Resource Management is an inter-disciplinary program that emphasizes a theoretical and applied approach to agricultural, environmental, and natural resource production, assessment, classification, problem or phenomena mitigation, policy, and related conservation issues. This course provides academic training and on-the-job experience with a student focus on utilization, conservation, and protection of our land, sea, water, and air.

3. Description

A. Required/Recommended Textbook(s) and Related Materials

Required:

Holechek, J. L., et. al. *Natural Resources: Ecology, Economics, & Policy*. New Jersey. Prentice Hall, 2003.

Readability level: Grade 10

Recommended:

Ferry, Steven. *Environmental Law: Examples & Explanations*. New York. Aspen Publishers, 2010.

Readability level: Grade 12

Furey, John, et. al. *Island Ecology & Resource Management*. Saipan, MP: Northern Marianas College Press, 2006.

Readability level: Grade 10

B. Contact Hours

1. **Lecture:** 3 per week / 45 per semester
2. **Lab:** 3 per week / 45 per semester
3. **Other:** N/A

C. Credits

1. **Number:** 4
2. **Type:** Regular degree credits

Course: NR255

D. Catalogue Course Description

NR 255 examines the role of government in resource management, valuing in the absence of prices and economic externalities. Topics include politics and economic development, cost/benefit analysis, public goods and externalities, land use planning and zoning, federal and international environmental laws; three hours of lecture with laboratory/field trips required. Prerequisite: NR253. English Placement Level: EN101. Math Placement Level: MA132

E. Degree or Certificate Requirements Met by Course

This course fulfills the core/program requirement in the A.S. degree program of Natural Resource Management. This course also serves as a science elective for non-majors in NRM and other related degree programs.

F. Course Activities and Design

This course incorporates lectures, guest speakers, audiovisual presentations, student oral presentations, take-home and web-based assignments, laboratory exercises, field trips, periodic quizzes, tests, a class project, and comprehensive final exam.

4. Course Prerequisite(s); Concurrent Course Enrollment

Prerequisites: NR253 with a grade of C or better

Concurrent Course Enrollment: N/A

Required English/Mathematics Proficiency Level(s)

English Placement Level: EN101

Mathematics Placement Level: MA132

5. Estimated Cost of Course; Instructional Resources Needed

Cost to the Student: Tuition for a 4-credit course, cost of textbook, and instructional materials fee.

Cost to the College: Instructor's salary.

Instructional resources needed for this course include classroom and laboratory space, chalkboard/white board and supplies, TV/VCR, videotaped programs, digital camera, video flex camera attachment for microscopes, stereo and compound microscopes, microscope slides and cover slips, multimedia projector, basic laboratory and field supplies.

6. Method of Evaluation

Student progress will be evaluated on the basis of class participation, oral presentations, assignments, laboratory/field trip reports, quizzes, tests, a class project, and comprehensive final exam. NMC's grading and attendance policies will be followed.

Course: NR255

7. Course Outline

This is a topical outline and does not necessarily indicate the sequence in which the material will be presented.

1.0 Politics and Economic Development

- 1.1 Money and markets
- 1.2 Supply/Demand and prices
- 1.3 Valuing in the absence of prices

2.0 Cost/Benefit Analysis

- 2.1 Public goods and externalities
- 2.2 Market sectors
- 2.3 Growth and values of economic sectors
- 2.4 Factors for success and future projections

3.0 Land Use Planning and Zoning

- 3.1 Master plans
- 3.2 Zoning
- 3.3 Development permits
- 3.4 Applying performance standards
- 3.5 Enforcement

4.0 Federal/International Environmental Laws

- 4.1 Governments role in resource management
- 4.2 Compliance with international and federal laws
- 4.3 Commonwealth of the Northern Mariana Islands (CNMI) laws and regulatory enforcement

Course: NR255

8. Instructional Goals

The course will introduce students to:

- 1.0 The role of politics and economic development in resource management;
- 2.0 The concepts of cost/benefit analysis as applied to natural resources;
- 3.0 Land use planning and zoning; and
- 4.0 Federal/International/CNMI environmental laws and regulatory enforcement.

Course: NR255

9. Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1.0 Identify and explain the roles of politics and economic development in resource management;
- 2.0 Describe and apply the concepts of cost/benefit analysis as applied to natural resources;
- 3.0 Integrate appropriate land use planning and zoning; and
- 4.0 Demonstrate knowledge of the Federal/International/CNMI environmental laws and regulatory enforcement procedures.

10. Assessment Measures of Student Learning Outcomes

Assessment of student learning may include, but not be limited to, the following:

- 1.0 Recitation;
- 2.0 Participation;
- 3.0 Tests;
- 4.0 Case Reports;
- 5.0 Research Project;
- 6.0 Presentations; and
- 5.0 Comprehensive Final Exam