

# Northern Marianas College

## CURRICULUM ACTION REQUEST

**Effective Semester / Session:** Fall 2021

**Type of Action:**

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

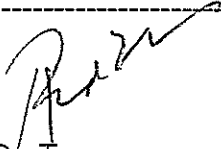
**Course Alpha and Number:** AG233

**Course Title:** Farm Management

**Reason for initiating, revising, or canceling:**

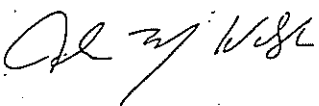
The content of this course has been modified to accommodate and include requirements of the Associate of Science in Agriculture degree. This course is being activated to help revive the Associate of Science in Agriculture degree for students who may choose a career in agriculture and related sectors.

  
 Dr. Virendra M. Verma 06/01/2021

Proposer  Date

Dr. Alfredo De Torres 8/20/21

Program Director Date

  
 Adam Walsh 05.31.21

Language & Format Review Specialist Date

  
 Ajani Burrell 06.01.2021

Academic Council Chair Date

  
 Charlotte Cepeda 6/4/2021

Dean of Learning & Student Success Date

Course: AG233 Farm Management

**1. Department**

Natural Resource Management

**2. Purpose**

This course introduces principles and strategies of agricultural business, farm management, and farm production enterprises. This course will help provide a better understanding of the challenges and decisions involved in operating a farm for maximum production and profit. This course is for students who are in the field of agriculture (plant and animal production), agricultural economics, animal health, agricultural development and extension, as well as students who are in the field of health and nutrition, food security, and sustainable agriculture.

**3. Description**

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

Required:

Olson, Kent D. (2004). *Farm Management: Principals and Strategies*, 1st Edition. Iowa State Press.

Recommended: None

**B. Contact Hours**

1. **Lecture:** 3 per week / 45 per semester
2. **Lab:** None
3. **Other:** None

**C. Credits**

1. **Number:** 3
2. **Type:** Regular Degree Credits

**D. Catalogue Course Description**

This course introduces strategic planning and farm management practices including decision-making, farm planning for the most efficient use of land, labor and capital for agricultural production and marketing. This course will teach students how to improve capacity in business planning, viability analysis including profits, risk, cost, quality standards, financial records, management of resources such as human, physical, and natural. Pre-requisite: A grade of "C" or better in BI101 and BI106. Prerequisite: MA132 and EN095.

**E. Degree or Certificate Requirements Met by Course**

This is a required course for the Associate of Science in Agriculture. A grade of "C" or higher earned in this course also fulfills an elective requirement for any Associate of Science degree with a science major and satisfies the science elective option for non-majors.

# Northern Marianas College Course Guide

Page: 3

Course: AG233 Farm Management

## **F. Course Activities and Design**

Course activities include: lectures, group work, discussions, homework, web-based assignments, audio-visual materials, periodic quizzes, tests, field trips, comprehensive final exam, and projects that require presentations.

## **4. Course Prerequisite(s); Concurrent Course Enrollment**

Prerequisites: BI101, BI106, MA132

Concurrent Course Enrollment: None

## **Required English/Mathematics Proficiency Level(s)**

English Placement Level: EN101

Mathematics Placement Level: MA161

## **5. Estimated Cost of Course; Instructional Resources Needed**

Cost to the Student: Tuition for a 3-credit course and cost of the textbooks.

Cost to the College: Instructor's salary

Instructional resources needed for this course include: classroom, whiteboard and markers, audio-visual programs/software, and multimedia projectors.

## **6. Method of Evaluation**

Student learning will be assessed on the basis of class attendance, participation, homework completion, in-class and online quizzes, final exam, and presentations. NMC's grading and attendance policies will be followed.

Course: AG233 Farm Management

## 7. Course Outline

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

- 1.0 The Scope of Farm Management
  - 1.1 Management of functions
  - 1.2 Decision making process
  - 1.3 Business plan
  - 1.4 Production and operations
  - 1.5 Strategies and methods
  
- 2.0 Farming Types
  - 2.1 Size
  - 2.2 Objectives
  - 2.3 Production system and technology
  - 2.4 Resources
  
- 3.0 Production and Operations Management
  - 3.1 Ownership
  - 3.2 Production
  - 3.3 Labor
  - 3.4 Capital and time
  
- 4.0 Planning and Assessment Management
  - 4.1 Financial
  - 4.2 Production
  - 4.3 Time
  - 4.4 Schedule
  - 4.5 Standards and data
  - 4.6 Monitoring
  - 4.7 Assessment and evaluation
  - 4.8 Problem solving
  
- 5.0 Farm Management Tools
  - 5.1 Modern equipment and materials
  - 5.2 Computer applications
  - 5.3 Modern techniques
  
- 6.0 Farm Structures and Buildings
  - 6.1 Types of farm structure
  - 6.2 Usage and definition
  - 6.3 Maintenance
  - 6.4 Operation

# Northern Marianas College Course Guide

Page: 5

Course: AG233 Farm Management

- 7.0 Management Services
  - 7.1 Extensions
  - 7.2 Funding institutions
  - 7.3 Financial management
  - 7.4 Marketing
  - 7.5 Staff management

# Northern Marianas College Course Guide

Page: 6

Course: AG233 Farm Management

## 8. Instructional Goals

The course will introduce students to:

- 1.0 The Scope of Farm Management;
- 2.0 Financial and Investment Analysis;
- 3.0 Marketing and Financial Planning;
- 4.0 Production and Operations Management;
- 5.0 Quality Management and Control;
- 6.0 Risk Management; and
- 7.0 Staffing and Organization.

Course: AG233 Farm Management

**9. Student Learning Outcomes**

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

- 1.0 Define strategic planning methods for an agricultural business;
- 2.0 Define farm management and related terminologies;
- 3.0 Define methods for managing human, physical, and natural resources;
- 4.0 Describe the responsibilities of a farm manager; and
- 5.0 Analyze the economic viability of different agricultural production enterprises.

**10. Assessment Measures of Student Learning Outcomes**

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

- 1.0 Test and Quizzes;
- 2.0 Homework;
- 3.0 Presentation;
- 4.0 Project Work and Report; and
- 5.0 Final Exam.