

**Northern Marianas College**  
**CURRICULUM ACTION REQUEST**

**Effective Semester / Session:** Summer 2012

**Type of Action:**

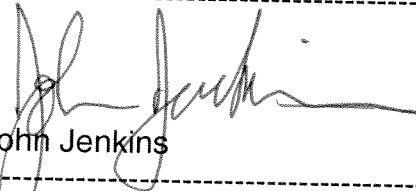
- New
- Modification
- Move to Inactive (Stop Out)
- Cancellation

**Course Alpha and Number:** ED 480

**Course Title:** Educational Technology


**Reason for initiating, revising, or canceling:**  
This course guide includes the required textbook.

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John Jenkins 4/13/12

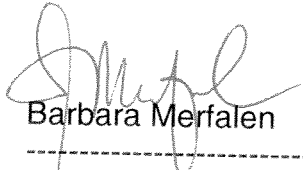
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Proposer Date

  
Roy Greenland 4-13-12

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Acting Director School of Education Date

  
Barbara Merfalen 4.13.12

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Dean of Academic Programs and Services Date

# Northern Marianas College

## Course Guide

Course: ED 480 Educational Technology

1. **Department**

School of Education

2. **Purpose**

Teachers in today's world need not only content knowledge and methodology but also the ability to access and use the latest in modern technology. Modern technology may well be defined as computers and the Internet. This course will provide teachers-in-training with the hands-on knowledge and experience they will need to effectively incorporate audio, visual, and computer technology and the Internet into their classrooms.

3. **Description**

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

Required:

Wright-David, Andrew. *Integrating Educational Technology into Teaching*. 5th ed. Cambridge University, 2011.

Readability level: Grade 12

B. **Contact Hours**

1. **Lecture:** 3 hour per week / 45 hours 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 students to computer technology needed to teach at the elementary level. Topics include technology projects using audio, video, communications, and interactive multimedia. It is a required course for all Bachelor of Science in Education majors, with a concentration in Elementary Education. Prerequisites: None, but concurrent enrollment in ED 211 is highly recommended. English Placement Level: EN 093/094. Math Placement Level: None. (Offered Fall and Spring)

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

This is a required course for all BS Education majors.

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## F. Course Activities and Design

This course incorporates lectures, demonstrations, assigned projects, field experience, and student participation. Objective driven projects and presentations will be evaluated by the instructor and other class members during classroom critiques. Active participation is required.

## 4. Course Prerequisite(s); Concurrent Course Enrollment; Required English/Mathematics Placement Level(s)

Prerequisite(s): None, but concurrent enrollment in ED 211 is highly recommended.

English Placement Level: EN 093/094

Math Placement Level: None

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

Cost to the Student: Tuition for a 3-credit course, the cost of USB flash drive for storing work and any applicable fees.

Cost to the College: Instructor's salary, computers, and computer maintenance. Paper and toner.

Instructional resources needed for this course include NMC Internet.

## 6. Method of Evaluation

Student grades will be based on the regular letter grade system as described below:

- A: Excellent – grade points: 4.0;
- B: Above average – grade points: 3.0;
- C: Average – grade points: 2.0;
- D: Below average – grade points: 1.0;
- F: Failure – grade points: 0.0.

NMC's and SOE's grading and attendance policies will be followed.

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## Course Guide

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### 7. Course Outline

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

- 1.0 Media and Instruction
  - 1.1 Instruction and learning
  - 1.2 Roles of media in instruction
  - 1.3 Media in education and training
  
- 2.0 Computers
  - 2.1 Computers in the learning process
  - 2.2 Advantages and limitations of computers
  - 2.3 Roles of computers in education and training
  - 2.4 Integrating computers in the classroom
  - 2.5 Overview of computer hardware and software
  - 2.6 Basic Computer Troubleshooting
  
- 3.0 Computer Based Multimedia
  - 3.1 Multimedia systems
  - 3.2 Multimedia CD-ROMs
  
- 4.0 Computer Based Visuals
  - 4.1 Digital images
  - 4.2 Scanning images
  - 4.3 Digital photography
  - 4.4 Computer presentations
  
- 5.0 Digital Media and Video
  - 5.1 Planning a project
  - 5.2 Use of video in education
  - 5.3 Computer based video production and editing
  
- 6.0 Computer Networks and the Internet
  - 6.1 Connected computers
  - 6.2 The computer as communication tool
  - 6.3 The computer as information tool
  - 6.4 The Internet in the elementary classroom
  
- 7.0 Service Learning
  - 7.1 Volunteer to assist and troubleshoot technology integration

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## 8. Instructional Goals

This course will introduce students to:

- 1.0 The role of media and technology in instruction;
- 2.0 Systematic planning for the use of media and technology;
- 3.0 The uses of computer technology in instruction;
- 4.0 The use of multimedia systems in instruction;
- 5.0 Concepts and techniques of computer based visuals;
- 6.0 Digital video editing;
- 7.0 Computer networking and the Internet; and
- 8.0 Service learning to enhance learning and application of course activities and objectives.

## 9. Student Learning Outcomes

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

- 1.0 Use computer, audio, visual, and multimedia technologies in the support of instruction;
- 2.0 Plan for the use of media and technology;
- 3.0 Understand the role of technology in the learning process;
- 4.0 Evaluate and appraise the value of various multimedia;
- 5.0 Create different computer based visuals in effectively designed learning stations;
- 6.0 Plan and create a digital video project;
- 7.0 Use Internet technologies in instruction; and
- 8.0 Participate in service learning to enhance learning and application of course activities and objectives.

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## 10. **Assessment Measures**

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

- 1.0 Rubrics will be used to check student projects;
- 2.0 A midterm will be used to check comprehension;
- 3.0 A final blog portfolio will be used to collect work;
- 4.0 Projects;
- 5.0 Field experience;
- 6.0 Reflection paper;
- 7.0 Final exam; and
- 8.0 Participation.