

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
EDU 225 – AUDIOVISUAL MATERIALS AND COMPUTER SOFTWARE (3 CR.)

Course Description

Prepares students to construct graphic teaching aids, to select and develop materials for instructional support, to operate, maintain, and use audiovisual equipment used in the classroom. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose

To develop the student's skills in using, presenting, and evaluating audiovisual materials and computer software for instructional purposes in the classroom. The course is designed for educators teaching children in the early childhood age range through primary education.

Course Prerequisites/Corequisites

Functional literacy in the English language; reading at the 12th grade level.

Course Objectives

Upon completing the course, the student will be able to:

- a) Demonstrate effective use of a computer system and utilize computer software
- b) Apply knowledge of terms associated with educational computing and technology
- c) Apply computer productivity tools for professional use
- d) Use electronic technologies to access and exchange information
- e) Identify, locate, evaluate, and use appropriate instructional hardware and software to support Virginia's Standards of Learning and other instructional objectives
- f) Use educational technologies for data collection, information management, problem solving, decision making, communication, and presentation within the curriculum
- g) Plan and implement lessons and strategies that integrate technology to meet the diverse needs of learners in a variety of educational settings
- h) Demonstrate knowledge of ethical and legal issues relating to the use of technology

Major Topics to be Included

- a) Technology Standards for instructional personnel Computer Software for instruction
- b) Audiovisual material use, presentation, and evaluation Communicating with technology
- c) Integration of technology with instruction including diverse needs of learners
- d) Ethical and legal issues relating to technology

Optional Topics

- a) Incorporation of technology standards into local technology plans Secure passwords for computer security
- b) Types of available computer virus protection
- c) Parental Controls to safeguard children from inappropriate Internet access