OFFICIAL SYLLABUS

DISCIPLINE: EDET
COURSE: 411

A. Catalog Entry
EDET 411 Current Problems in Education: Instructional Technology
For Middle School Teachers
Two hours hands on
Prerequisites: Admission to Teacher Education Program and a
minimum 2.5 GPA

B. Detailed description of the course:

EDET 411. The purpose of this course is to strengthen skills involving
technology and its integration in the middle school classroom. The concentration
will be on learning about and manipulating many different types of technologies
available in public middle schools. Students will gain ideas and brainstorm
strategies to enhance instruction through integration. Students will build a solid
resource of ideas for future use with a background of what technology is
available.

C. Goals and Objectives:
NCATE standards 1, 1.a, and 1.c.
NMSA standards met are Standards 1 through 5.
VDOE standards for middle school technology are listed below.
1. Basic Operations and Concepts
   a. Demonstration of knowledge of the nature and operation of
      Technology systems
      (1) Describe how technology impacts learning
      (2) Explore how software and hardware are developed to
          respond to changing needs of technology
      (3) Describe compatibility issues between types of technology
   b. Demonstration of proficiency in the use of technology
      (1) Understanding hardware and software have different
          operating systems
      (2) Ability to use self-help features to learn use of hardware and
          software
      NCATE 1.a, c NMSA 1-5 VDOE 8VAC 20-25-30 A-H
2. Social and Ethical Issues
   a. Demonstration of knowledge of ethical, cultural, and societal issues
      related to technology
      (1) Knowledge of current changes in information technologies
      (2) Need for laws and policies to govern technology
      (3) Career opportunities in technology-related careers
   b. Practice responsible use of technology systems, information and
      software
      (1) Correct use of fair use and copyright regulations
      (2) Compliance with school division's Acceptable Use Policy
And other legal guidelines

c. Demonstration of knowledge of technologies supporting collaboration, personal pursuits, and productivity
   (1) Work collaboratively and/or independently when using technology
   (2) Practice preventative maintenance of equipment, resources, and facilities
   (3) Explore the potential of the Internet as means of personal learning and the respectful exchange of ideas and products

NCATE 1.a, c NMSA 1-5 VDOE 8VAC 20-25-30 A-H

3. Technology Research Tools
   a. Use of technology to locate, evaluate, and collect information from a variety of sources
      (1) Use databases and spreadsheets to evaluate information
      (2) Use technology resources such as calculators and data collection probes for gathering information
      (3) Use Internet and other electronic resources to locate information in real time
   b. Evaluation and selection of new information resources and technological innovations based on appropriateness for specific tasks
      (1) Use search strategies to retrieve information
      (2) Evaluate accuracy, relevance, and appropriateness of electronic information sources

NCATE 1.a, c NMSA 1-5 VDOE 8VAC 20-25-30 A-H

4. Problem-solving and Decision-making Tools
   a. Use of technology resources for solving problems and making informed decisions
      (1) Employ technology in development of strategies for solving problems
      (2) Use variety of technologies in development of strategies for solving problems
      (3) Use content-specific tools, software, and simulations such as environmental probes, graphic calculators, exploratory environments, and web tools
      (4) Participate in collaborative problem-solving activities
      (5) Select and use appropriate tools and technology resources to accomplish a variety of tasks
      (6) Instructional personnel shall be able to plan and implement lessons and strategies that integrate technology to meet the diverse needs of learners in a variety of educational settings

NCATE 1.a, c NMSA 1-5 VDOE 8VAC 20-25-30 A-H

5. Technology Communication Tools
   a. Use of a variety of media and formats to communicate information and ideas effectively to multiple audiences
      (1) Choice of appropriate tool, format, and style to communicate information
(2) Independent use of technology tools to create and communicate for individual and/or collaborative projects
(3) Production of documents demonstrating ability to edit, reformat, an integrate various software tools
NCATE 1.a, c  NMSA 1-5  VDOE 8VAC 20-25-30 A-H

C. Assessment Measures
   1. Class attendance and participation. Given the interactive nature of the class and its correlation with field experiences, students will be expected to actively participate in each class. As noted in the “Conduct of the Class,” NCATE Standards 1.a and 1.c are covered by these assessment measures.

D. Conduct of the Class
   1. Students will establish a PortaPortal account, create video lesson plans, create a webpage, create a webquest, make a blog post, and create an online portfolio. Meets NCATE Standards 1.a and 1.c which are Key Candidate Assessments.

E. Approval and Subsequent Reviews

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<td>10/09/2008</td>
<td>Proposed</td>
<td>Dr. Elizabeth D. Dore, Coordinator</td>
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