Area of Concentration

Instructional Technology

1) MEDT 8461 - Diffusion of Innovations

This course will study effective communication skills, group dynamics, time management, and facilities planning with special emphasis on applying these skills to facilitate the integration of newer technologies into school library media centers and classrooms.

2) MEDT 8463 - Issues in Instructional Technology

Advanced topics in the theory, selection, production, and utilization of technology-based instructional materials will be examined, and issues, trends and problems in instruction technology will be emphasized.

3) MEDT 7461 - Instructional Design

The course provides an overview of systematic approaches to instructional planning, development, and evaluation.

4) Choose one elective from the 7000 series list below:

   MEDT 7462 Internet Tools, Resources and Issues in Education

   A study of various internet tools, resources, and issues as related to K-12 education. Strategies for integrating internet into the curriculum will be included.

   MEDT 7464 Integrating Technology into the Classroom

   MEDT 7465 Resources for Children & Young Adults

   An overview of current resources for children and young adults to support teaching and learning. Non-fiction and digital resources are included. Students will design, develop and produce resources appropriate to their situation.

   MEDT 7466 Digital and 35mm Photography

   MEDT 7467 Web Design for Instruction (MEDT 6401 prerequisite)

   Intermediate level course on design, development and formative evaluation of web-based instructional systems. Web page design strategies based on research on effective practice are emphasized. Students use software development tools to create and evaluate interactive lessons including strategies for assessing learning achievement.
MEDT 7468 Introduction to Multimedia (MEDT 6401 prerequisite)

A survey of basic elements and technical aspects of multimedia. Included are selection of hardware and software, design principles, hands-on production, classroom applications, and discussion of issues and useful resources.

MEDT 7470 Videotape Production & Utilization

An advanced course in the design and production of video instructional materials. Classroom utilization of video will be included.

MEDT 7471 Data Networks for Instruction

The design and development of data networks for instructional settings will be covered. In addition to current trends and issues, students will also explore how to use data networks for a variety of instructional contexts and how to perform basic network troubleshooting and repair.

MEDT 7472 Introduction to Distance Education

This course is a general introduction to conceptual, theoretical, and practical ideas concerning distance education, including the current status of distance learning and its impact on education. Students will become conversant in the terminology of the field of distance education, review its history, conduct research on specific areas of practice, investigate instructional and learning design strategies, explore the technologies commonly used, and understand the unique roles and responsibilities of the distance learner and the distance instructor.

MEDT 7473 Advanced Multimedia (MEDT 7467 & MEDT 7468 prerequisites)

An intermediate to advanced level course on the design, development and formative evaluation of multimedia software delivered locally and online. Strategies based on research on effective practice are emphasized. Students use software development tools to create and evaluate interactive software including strategies for instruction and assessing learning.