

# EDUC T-EDUCATION TECHNOLOGY (EDT)

## **EDT 500 Instrl Media Meth and Matrls 1 to 2 Credit Hours**

Explores the technology, the production, and the effective use of audiovisual media instructional purposes in a variety of settings.

### **Restriction(s):**

Can enroll if Level is Graduate

## **EDT 501 Research, Trends, and Issues in Learning Technologies 3 Credit Hours**

This course is designed to provide students with an in-depth exploration of the rapidly evolving field of learning technologies. In an era where technology plays a pivotal role in education and training, understanding the latest research, emerging trends, and critical issues is essential for educators, instructional designers, and anyone interested in the intersection of technology and learning. (F).

### **Restriction(s):**

Can enroll if Class is Graduate

## **EDT 502 Emerging Learning Technologies and Concepts 3 Credit Hours**

This course is designed to provide students with a comprehensive understanding of the rapidly evolving landscape of learning technologies. The course will explore the latest trends, tools, and innovations in learning technology and their impact on teaching and learning processes. Students will engage in critical discussions, hands-on activities, and practical applications to harness the potential of emerging technologies for educational purposes.

### **Restriction(s):**

Can enroll if Class is Graduate

## **EDT 510 Teaching with Technology 3 Credit Hours**

Introduces students to the management and integration of technology in education. Students experience and become familiar with technologically based teaching and learning materials; learn methodologies for using technology in specific teaching situations including audiovisual and media methods methods; develop skills effectively evaluating educational software; explore how technology can be used as a problem-solving tool within the classroom environment; and become familiar with application programs, telecommunications and multimedia. Students also log a minimum of 45 hours of practicum experience in an instructional capacity where they have the opportunity to implement a variety of technology-enhanced learning activities that they create (F,W,S).

### **Restriction(s):**

Can enroll if Class is Graduate

## **EDT 511 Design Tech-Based Learn Solutn 3 Credit Hours**

EDT 511 provides students with the opportunity to design and develop technology-based learning solutions for real-world instructional problems. Students will identify an instructional problem, collect data to assess relevant needs of an authentic population of learners and work collaboratively to create learning solutions for face-to-face, blended and/or online environments. Students will also become proficient in the operation of various pieces of hardware and software and develop skills for evaluating and integrating technology into the different learning environments.

### **Restriction(s):**

Can enroll if Class is Graduate

## **EDT 512 Human Performance Improvement 3 Credit Hours**

This course addresses organizational and human behaviors that affect performance. Causes of performance deficits will be examined and possible solutions linking business goals to interventions will be considered.

### **Restriction(s):**

Can enroll if Class is Undergrad Certification only or Post-baccalaureate Cert only or Junior or Senior or Graduate

## **EDT 513 Analyzing Human Performance 3 Credit Hours**

Students will practice research design, sampling, surveys, and statistical analysis in the analysis of performance problems in local companies. Different modes of performance analysis will be demonstrated. (F, W).

**Prerequisite(s):** EDT 512

### **Restriction(s):**

Can enroll if Class is Graduate

## **EDT 514 Instructional Design Fundamentals 3 Credit Hours**

This comprehensive instructional design course equips learners with the essential knowledge, skills, and strategies to create effective and engaging learning experiences. Instructional design is a dynamic field that combines educational theory, technology, and creativity to design and develop instructionally sound materials and experiences. Whether you are an educator, trainer, e-learning developer, or simply interested in improving your instructional design abilities, this course will provide you with a strong foundation in the principles and practices of instructional design.

### **Restriction(s):**

Can enroll if Class is Post-baccalaureate Cert only or Undergrad Certification only or Graduate

## **EDT 516 Application of Distance Learn 3 Credit Hours**

Students will use cameras, microphones, VCRs, computers, and other equipment to manage video conferences and other forms of distance education. Students will research distance learners' satisfaction and retention of distance learning applications.

### **Restriction(s):**

Can enroll if Level is Graduate

## **EDT 517 Evaluating PI Interventions 3 Credit Hours**

Students will learn several models for evaluating performance interventions. Concepts of validity, reliability, item analysis and culture bias will be included.

**Prerequisite(s):** EDT 512

### **Restriction(s):**

Can enroll if Level is Graduate

## **EDT 519 Select & Design Interventions 3 Credit Hours**

Students will learn appropriate interventions for remedying typical performance problems. Students will also learn to manage and monitor the implementation process. (F, W).

**Prerequisite(s):** EDT 512 and EDT 513 and EDT 517

### **Restriction(s):**

Can enroll if Level is Graduate

## **EDT 520 Online Learning Design and Development 3 Credit Hours**

In today's rapidly evolving educational landscape, the design and development of effective online learning experiences have become essential skills for educators, instructional designers, and anyone interested in creating engaging and impactful online courses. This comprehensive online learning design and development course provides a solid foundation in the principles, tools, and best practices needed to create engaging and effective online learning experiences.

### **Restriction(s):**

Can enroll if Class is Graduate

**EDT 521 Transitioning to HPI 3 Credit Hours**

Students will learn tools for analyzing organizational readiness for change. Students will plan an intervention cycle including preparing for change, designing the intervention, and comparing anticipated and actual results.

**Prerequisite(s):** EDT 512 and EDT 513 and EDT 517 and EDT 519

**Restriction(s):**

Can enroll if Level is Graduate

**EDT 522 Curriculum and Training Development 3 Credit Hours**

This course builds upon knowledge learned in EDT 520. Students are introduced to Universal Design for Learning (UDL) theory and how to apply it to learning activities in the blended, hybrid and online environment. Emphasis is placed on learning how to make accommodations for students in the online environment as well. Students will also learn to critically assess different approaches to online instruction.

**Restriction(s):**

Can enroll if Class is Graduate

Cannot enroll if Program is

**EDT 530 Assistive Technology 3 Credit Hours**

This course is designed to provide students with a comprehensive understanding of assistive technology and its pivotal role in enhancing accessibility and improving the quality of life for individuals with disabilities. Assistive technology encompasses a wide range of tools, devices, and software applications that assist individuals in overcoming various physical, cognitive, sensory, and communication challenges. Through theoretical knowledge and hands-on practical experience, students will learn to assess, select, implement, and customize assistive technology solutions for diverse user needs.

**Restriction(s):**

Can enroll if Class is Graduate

**EDT 531 Lead. & Prof. level in Ed Tech 3 Credit Hours**

This field-based course provides students with necessary skills to design and practice methods and strategies for providing effective professional development programs for teachers and to demonstrate leadership in technology learning practices and techniques in K-12 environment. This course is designed as a capstone course and should be taken in the final semester of the program.

**Prerequisite(s):** EDT 510 and EDT 501 and EDT 502 and EDT 514 and EDT 520 and EDT 522

**Restriction(s):**

Can enroll if Class is Graduate

**EDT 562 Internship in Instructional Design and Learning Technologies 3 Credit Hours**

This internship is a supervised field experience in which students will work as instructional design and learning technology interns for 135 clock hours. The course is designed to provide students with hands-on, real-world experience in instructional design and the application of learning technologies. This internship offers a unique opportunity for students to bridge the gap between theory and practice by working with professionals in educational settings or corporate training environments. An internship application is required for registration and must be submitted by July 15th for Fall, October 15th for Winter, or March 15th for Summer. The internship application can be found at: <https://umdearborn.edu/cehhs/cehhs-office-student-success/field-placement-office/education-practicums>. (F, W, S).

**Restriction(s):**

Can enroll if Class is Graduate

**EDT 580 Appl of Tech for Organ Admin 2 or 3 Credit Hours**

FULL TITLE: Applications of Technology for Organizational Administrators. This course will focus on the role of organizational administrators in the applications of technology within and organization, including policy development, personnel management, financial planning and budgeting, program planning and evaluation, training, and strategic planning.

**Restriction(s):**

Can enroll if Level is Rackham or Professional Development or Graduate

**EDT 585 Technology for Administrators 3 Credit Hours**

This course will focus on the role of organizational administrators in the applications of technology within an organization, including policy development, personnel management, financial planning and budgeting, program planning and evaluation, training, and strategic planning.

**Restriction(s):**

Can enroll if Class is Graduate

Cannot enroll if College is Engineering and Computer Science

**EDT 702 Emerging Learning Technologies and Concepts 3 Credit Hours**

This course is designed to provide students with a comprehensive understanding of the rapidly evolving landscape of learning technologies. The course will explore the latest trends, tools, and innovations in learning technology and their impact on teaching and learning processes. Students will engage in critical discussions, hands-on activities, and practical applications to harness the potential of emerging technologies for educational purposes.

**Restriction(s):**

Can enroll if Class is Graduate

Cannot enroll if Level is

**EDT 714 Instructional Design Fundamentals 3 Credit Hours**

This comprehensive instructional design course equips learners with the essential knowledge, skills, and strategies to create effective and engaging learning experiences. Instructional design is a dynamic field that combines educational theory, technology, and creativity to design and develop instructionally sound materials and experiences. Whether you are an educator, trainer, e-learning developer, or simply interested in improving your instructional design abilities, this course will provide you with a strong foundation in the principles and practices of instructional design.

**Restriction(s):**

Can enroll if Class is Post-baccalaureate Cert only or Undergrad Certification only or Graduate

**EDT 720 Intro to Teaching/Learn Online 3 Credit Hours**

This course will introduce students to best practices in the design, creation and implementation of instructional materials in an online environment. Students will create and implement several instructional activities and assessments in blended, hybrid and online environments.

**Prerequisite(s):** EDT 514

**Restriction(s):**

Can enroll if Class is Specialist or Doctorate

**EDT 722 Curriculum and Training Development 3 Credit Hours**

This course builds upon knowledge learned in EDT 520. Students are introduced to Universal Design for Learning (UDL) theory and how to apply it to learning activities in the blended, hybrid and online environment. Emphasis is placed on learning how to make accommodations for students in the online environment as well. Students will also learn to critically assess different approaches to online instruction.

**Restriction(s):**

Can enroll if Class is Graduate

**EDT 731 Lead. & Prof. devel in Ed Tech 3 Credit Hours**

This field-based course provides students with necessary skills to design and practice methods and strategies for providing effective professional development programs for teachers and to demonstrate leadership in technology learning practices and techniques in K-12 environment. This course is designed as a capstone course and should be taken in the final semester of the program.

**Prerequisite(s):** EDT 510 and EDT 501 and EDT 502 and EDT 514 and EDT 520 and EDT 522

**Restriction(s):**

Can enroll if Class is Graduate

**EDT 785 Technology for Administrators 3 Credit Hours**

This course will focus on the role of educational administrators in the applications of technology within a school, including policy development, personnel/student management, financial planning and budgeting, curricular planning and evaluation and professional development.

**Restriction(s):**

Can enroll if Class is Specialist or Doctorate

\*An asterisk denotes that a course may be taken concurrently.

**Frequency of Offering**

The following abbreviations are used to denote the frequency of offering: (F) fall term; (W) winter term; (S) summer term; (F, W) fall and winter terms; (YR) once a year; (AY) alternating years; (OC) offered occasionally