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   Rsrch, Trnds&Iss in Ed Tchnlgy   3 Credit Hours
This course is designed to acquaint the students with research and issues facing education in the digital era. This course will look at the wide range of developments in technology and investigate the trends that are impacting the field of educational technology. Students explore and analyze key issues related to technology in the classroom of the twenty-first century. (F)
Restriction(s):
Can enroll if Class is Graduate

EDT 502   Survey of Educ Tech Tools   3 Credit Hours
This course provides students with a general overview of relevant educational software and hardware technologies as well as web-based digital resources that can be used in instructional settings. The students will learn how to identify, select and integrate a broad range of technologies into different learning enrivonments. Students will also create several technology-based instructional products using various tools, applications, and authoring environments.
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 n 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 performace 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   Application of Instrl Design   3 Credit Hours
The course provides students with necessary skills to apply Technological Pedagogical Content Knowledge (TPCK) instructional design process in a specific subject area.
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   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.
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   Educating the Digital Learner   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 as an introductory course in assistive technology (AT) including the history, relevant legislation, and development of assistive technology. Students will be introduced to key AT categories by function including high tech and low tech assistive hardware, software and mobile devices to increase learning opportunities for individuals with disabilities.
Restriction(s):
Can enroll if Class is Graduate

EDT 531   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 562   EDT Internship/Seminar   3 Credit Hours
A supervised field experience in which students will work in a K-12 technology program for 120 clock hours. In this internship students will serve as instructional staff, developing knowledge of and experience in managing resources, assessing students, working with students to develop technology literacy, and assisting another teacher in integrating technology into the classroom. In addition, a weekly seminar to explore issues related to K-12 technology programs will be held. (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   Survey of Educ Tech Tools   3 Credit Hours
This course provides students with a general overview of relevant educational software and hardware technologies as well as web-based digital resources that can be used in instructional settings. The students will learn how to identify, select and integrate a broad range of technologies into different learning enrivuments. Students will also create several technology-based instructional products using various tools, applications, and authoring environments.
Restriction(s):
Can enroll if Class is Graduate
Cannot enroll if Level is

EDT 714   Application of Instrl Design   3 Credit Hours
The course provides students with necessary skills to apply Technological Pedagogical Content Knowledge (TPCK) instructional design process in a specific subject area.
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   Educating the Digital Learner   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