

EDUCATIONAL TECHNOLOGY (EDIT)

EDIT 3300 Instructional Tech Appl

The course presents pedagogical modes and strategies for effective utilization of instructional technology applications, software and hardware suitable for instruction in grades EC-12. Students will be introduced to state of the art technology tools including: computers, image capture devices, presentation tools and software. Integrated curriculum instruction technology and innovative teaching strategies incorporating collaborative and student centered methods of learning will be explored. Prerequisites: Admission to the College of Education and a 2.7 overall grade point average.

EDIT 5300 Prin of Ins Design & Learn The

This course introduces the processes, methods, and techniques involved with systematic design of instruction in P-16 educational or professional settings. This course examines established and emerging theories of instructional design (i.e. ADDIE model) and follows through the process to developing a simulated instructional plan. Learning theories explored are based on behavioral, information processing, constructivist, and sociocultural. Aligns with the ISTE Standards for Coaches.

Prerequisites: Graduate Standing.

EDIT 5320 Inst Lead & Tech Integration

This highly engaging advanced level course examines the importance and relationship between the leadership role as curriculum designers and the integration of technology in professional learning or educational settings. Emphasis is on evaluating leading in the 21st century, examining standards and policies, information technology fundamental, and inquiry into instructional leadership concepts such as adult learning and mentoring principles to build teacher capacity and support innovative change. Aligns with the ISTE Standards for Education Leaders.

Prerequisites: Graduate standing.

EDIT 5330 Teach Learn&Assessing Dig Age

This course is a highly engaging intermediate level deepening the concepts of the teaching process of planning, instruction, and assessing learning utilizing technology through evidenced-based pedagogy and practice in a P-16 educational setting. Referring to education technology theories (i.e. T3 framework, TPACK or SAMR), emphasis is on practical ways to integrate technology into a P-16 curriculum using multimedia, presentation tools, virtual and augmented realities (VR/AR), gamification, STEM, and computer science concepts. Self-assessments guide the evaluation of personal technology implementation. Students create many digitally rich products to connect theory to real-world application. Students will design a comprehensive instructional module focusing on the teaching process and specific technology tools that enrich learning outcomes. Aligns with the ISTE Standards for Educators.

Prerequisites: Graduate Standing.

EDIT 5340 Emerging Tech Mod & Lear Env

This highly engaging intermediate level course addresses emerging technologies that emphasize reflecting on past technologies to discover present and future technologies and their role in P-16 educational settings education. Emphasis is on different models and technologies that promote active and collaborative learning such as inquiry-based, flipped classroom, and project-based learning and how to effectively implement such models in a digital learning environment context. Students will create their own digital portfolio website. Aligns with the ISTE Standards for Educators.

Prerequisites: Graduate Standing.

EDIT 5350 Access, Equity&Assistive Tech

An intermediate level course that investigates the ways in which technology can differentiate instruction to support the needs of all students, including students with disabilities. In doing so, students will identify and classify adaptive assistive hardware and software for students with special needs and locate resources to assist in their implementation. Topics include current issues in education and laws concerning equity and accessibility for diverse learners and populations. Special emphasis will be placed on the role of digital accessibility in creating accessible and inclusive learning materials and addressing such needs through ethical digital citizenship teaching. Aligns with the ISTE Standards for Educators.

Prerequisites: Graduate standing.