

EDUCATIONAL TECHNOLOGY (EDTC)

EDTC 010 Technology in the 21st Century

Technology Education for the 21st Century (5 units of credit per session, 1 session meets graduation req.) For students entering 7th-12th grade. In this online course, students will create, manipulate, and produce content; understand research and information fluency; and learn about digital citizenship, communication, collaboration, technology operations, and concepts.

Grade Mode: Letter, Credit/No Credit

Semester Hours: 5

EDTC 551 Foundations of Instructional Design and Educational Technology

This course focuses on the nature of individual learners as it impacts instructional design (ID) with the use of technology in education and the corporate world. It also provides an overview of instructional technology (IT) (which many people refer to as "educational technology" (ed tech) and more recently, some might refer to "learning technology" and "digital technology"). The course also explores the importance of effectively using technology to creating equity in schools. The use of projects and case studies will be used as a basis for learning instructional design skills. Students will also be encouraged to obtain one of the many Educational Technology certifications depending on their career goals: ISTE Certified Educator, Google Educator Certification, Apple Teacher, Microsoft Certified Educator. Letter grade only. Not challengeable.

Semester Hours: 3

EDTC 552 Mobile Apps and Collaborative Communities

Prerequisite: Completion of or concurrent enrollment in EDTC 551 The course will explore the benefits and application of collaborative learning communities in both traditional and online learning environments. In addition, the course will evaluate the challenges and solutions of Mobile Learning, including educational extensions, add ons, and Apps. Projects will include developing a pedagogy of collaborative communities, mobile learning and online instruction; evaluate online discussion platforms and creating successful teaching strategies to guide students in online discussion; exploring online platforms to support mobile learning and collaborative communities, culminating with the creation of a mobile learning unit; creating a Personal Learning Network to support their growth and professional development as an educator and analyzing educational apps for strengths and weaknesses. Letter grade only. Not challengeable.

Semester Hours: 3

EDTC 553 Emerging Trends & Issues in Educational Technology

Prerequisite: Completion of EDTC 551 and EDTC 552

This is an online graduate educational technology course. It is designed to introduce students to current trends and issues in educational technology. Topics include: standards, ethics, research, equity, access, literacy, and privacy. Students will take a constructivist approach to develop a leadership vision for implications of past, current, and future developments in educational technology. WEBEX or ZOOM may be used for weekly discussions. The activities in the course will not only serve as the fulfillment of the graduate requirements, but will allow students to create original content to be used for future teachers within the ULV Ed Tech Graduate Program and future employers. Letter grade only. Not challengeable.

Semester Hours: 3

EDTC 554 Research Foundations & Integrative Capstone Project

Prerequisite: Completion of EDTC 551, EDTC 552, and advanced standing

This is the Capstone course in the Educational Technology Master's option of the Master of Arts in Teaching. This course will focus on designing an individual research project or thesis in coordination with a faculty mentor. The course will provide real world active learning assignments that seek to integrate the knowledge and skills gained through practical work, and will prepare you for professional presentations and projects. This course emphasizes applying integrated knowledge toward activities that enhance professional and research career opportunities. The course is writing intensive and will focus on scientific writing, and the oral, written, and graphical presentation of data and research results all culminating in producing a digital presentation such as an iBook or written thesis. Letter grade only. Not challengeable.

Semester Hours: 3