### Instr Tech (EDLT)

#### Courses

**EDLT 5516 Integration of Technology into School Curriculum:** 3 semester hours.
Examination of appropriate and effective uses of technology in K-12 environments; focus on research-proven methods and integration strategies for online and hybrid teaching/learning environments that incorporate current and emerging digital tools.

**EDLT 5555 Fundamentals of Instructional Design:** 3 semester hours.
Introduction to recognized, standard instructional design models in the field as well as design principles that guide the development of instructional materials. Students will create an instructional unit for online delivery incorporating appropriate multimedia materials. Principles related to ADA Section 508, Assistive Technology, and Universal Design for Learning will be emphasized in designing for the teaching/learning environment. PRE-or-COREQ: EDLT 5516 or EDLT 6616.

**EDLT 5599 Experimental Course:** 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

**EDLT 6601 Foundations of Instructional Design and Technology:** 3 semester hours.
Introduction to the foundations of instructional design and technology, including principles, models, and theories that guide the development of formal and informal learning.

**EDLT 6611 Planning Instruction for Digital Formats:** 3 semester hours.
Application of ID&T principles, learning theories, and research processes related to planning and analysis of technological products for formal and informal learning contexts.

**EDLT 6612 Designing Instruction for Digital Formats:** 3 semester hours.
Application of ID&T principles, learning theories, and research processes related to the design of technological products for formal and informal learning contexts focusing on sequencing and strategies. PREREQ: EDLT 6601 and EDLT 6611.

**EDLT 6613 Developing Instruction for Digital Formats:** 3 semester hours.
Application of ID&T principles, learning theories, and research processes related to the development and formative evaluation of technological products for formal and informal learning contexts. PREREQ: EDLT 6612.

**EDLT 6614 Implementing Instruction for Digital Formats:** 3 semester hours.
Application of ID&T principles, learning theories, and research processes related to the implementation of technological products for formal and informal learning contexts including assessment of outcomes. PREREQ: EDLT 6613.

**EDLT 6616 Integration of Technology into School Curriculum:** 3 semester hours.
Examination of appropriate and effective uses of technology in K-12 environments; focus on research-proven methods and integration strategies for online and hybrid teaching/learning environments that incorporate current and emerging digital tools.

**EDLT 6621 Issues and Trends in Instructional Design and Technology:** 3 semester hours.
Examination and discussion of current issues and innovations in instructional design and technology. Includes analysis of relevant historical and current trends and issues. PREREQ: EDLT 6616.

**EDLT 6622 Assessment for Digital Formats:** 3 semester hours.
In-depth study of assessment methods and instruments focusing on learner outcomes in digital environments. Students will develop test blueprints, surveys, selected response items, and rubric; conduct item analyses; and, collect reliability and validity evidence.

**EDLT 6626 Instructional Technology and Staff Development:** 3 semester hours.
Examination of in-service models for integrating technology into the K-12 curriculum, emphasizing integration of online and hybrid training environments that use current and emerging digital tools for professional development. PREREQ: EDLT 6655.

**EDLT 6639 Delivering Instruction in Electronic Formats:** 3 semester hours.
In-depth study of distance education; emphasis on various models of online delivery, content organization and presentation, graphic design principles, and incorporation of current and emergent technology tools for online environments. Students will conduct a field test of an online instructional module and present a report of the instructional design process. PREREQ: EDLT 6656.

**EDLT 6646 Information Systems:** 3 semester hours.
Investigation and application of computer software programs that reinforce administrative practices. Application of programs that promote effectiveness and efficiency through the appropriate development and use of data.

**EDLT 6648 Independent Problems in Education:** 1-3 semester hours.
Individual work under staff guidance. Field and/or library research on specific educational problems of interest to graduate students in education. Experience in research composition. May be repeated.

**EDLT 6649 Seminar:** 1-3 semester hours.
Critical analysis of the literature in one or more areas of instructional design and technology. Enrollment limited. May be repeated.

**EDLT 6650 Thesis:** 1-6 semester hours.
1-6 Credits. May be repeated. Graded S/U.

**EDLT 6651 Field Project or Case Study in Education:** 1-6 semester hours.
A Field Project or Case Analysis is completed in conjunction with the field practicum/internship and/or an educational setting scenario. Written report and oral explication required. May be repeated. Graded S/U.

**EDLT 6652 Field Practicum in Education:** 1-6 semester hours.
Individually designed practicum in an educational setting. The length, placement, and learning experiences will be determined in consultation with the major advisor. May be repeated. Graded S/U.

**EDLT 6655 Fundamentals of Instructional Design:** 3 semester hours.
Introduction to recognized, standard instructional design models in the field as well as design principles that guide the development of instructional materials. Students will create an instructional unit for online delivery incorporating appropriate multimedia materials. Principles related to ADA Section 508, Assistive Technology, and Universal Design for Learning will be emphasized in designing for the teaching/learning environment. PRE-or-COREQ: EDLT 6616.

**EDLT 6656 Fundamentals of Multimedia Development in Education:** 3 semester hours.
Exploration of the use of multimedia technology for designing digital learning content; emphasis is on online design, delivery, and evaluation. Students will conduct a field test of a multimedia instructional module and present a report of the instructional design process. PREREQ: EDLT 6655.
EDLT 6659 Online Teaching Internship: 6 semester hours.
Candidates assume instructional and management responsibilities in supervised online elementary/secondary settings. Includes weekly professional development consultations. All coursework as indicated in the Online Teaching Endorsement program of study must be completed prior to enrollment in the Online Teaching Internship course. Graded S/U. PREREQ: EDLT 6616, EDLT 6626, EDLT 6639, EDLT 6655, EDLT 6656.

EDLT 6680 Special Topics in Instructional Design and Technology: 3 semester hours.
Investigation at an advanced level in an area of instructional design and technology research, development, implementation, evaluation, or management. Content intentionally varies depending on the degree cohort and instructor. May be repeated for up to 6 credits.

EDLT 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

EDLT 7737 Practicum: 3 semester hours.
This is an individually designed field experience in an area of technology, supporting and extending course work within this area of concentration. The length, placement, and prescribed learning experiences will be determined in consultation with the Educational Technology advisor. May be repeated for maximum of 12 credits.

EDLT 7740 Instructional Systems Design I: 3 semester hours.
Examination of the instructional design process; applications of current research related to development of instructional multimedia materials. PREREQ: EDLP 7706.

EDLT 7742 Multimedia Authoring I: 3 semester hours.
Use of Macromedia Director as the main authoring system for designing instruction. PREREQ: EDLT 7740.

EDLT 7743 Multimedia Authoring II: 3 semester hours.
Advanced use of Macromedia Director as an authoring system. Includes creation of digital sound graphics, animation, and movies. Student will produce a multimedia project. PREREQ: EDLT 7742.

EDLT 7744 Instructional Systems Design II: 3 semester hours.
Advanced study of instructional design process. Includes consideration of current research related to formative and summative evaluation techniques for multimedia design. PREREQ: EDLT 7740.

EDLT 7745 Instructional Design for Distance Learning Delivery: 3 semester hours.
Exploration of effective uses of multimedia materials in the distance learning environment. Includes investigation of skills needed for creating instructional media for distance learning. PREREQ: EDLT 7742 and EDLT 7744.

EDLT 7748 Independent Problems in Instructional Design: 1-3 semester hours.
Individual field work and/or library research under staff guidance on specific instructional design problems of interest to doctoral students in the Instructional Design program. May be repeated. PREREQ: Permission of instructor.

EDLT 7749 Instructional Design Seminar: 3 semester hours.
Critical analysis of research and emerging issues and trends in Instructional Design. May be repeated up to 6 credits. PREREQ: Membership in Ph.D. Doctoral Cohort.

EDLT 7780 Spec Topics Instruct Design: 3 semester hours.
Investigation at an advanced level in an area of Instructional Design research, development, implementation, evaluation, or management. Content intentionally varies depending on the doctoral cohort and faculty. May be repeated up to 6 credits. PREREQ: Membership in Ph.D. Doctoral Cohort. Graded S/U.

EDLT 7799 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times with the same title and content.

EDLT 8850 Dissertation: 1-10 semester hours.
Variable credits. Graded S/U.