LDT - LEARNING DESIGN AND TECHNOLOGY

LDT 2015 Introduction to Learning Design and Technology Cr. 3
Exploration of the field including its history, foundational knowledge, and the skills and attitudes required to be a professional. Students will create their professional development journey by applying design theories, principles and best practices. Offered Fall, Winter.
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 3115 Instructional Design Cr. 3
Explores broad conceptions of instructional design including all activities involved in generating intentional learning and performance improvement experiences. Offered Fall, Winter.
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 3125 Evaluation Techniques and Tools Cr. 3
Evaluation techniques and tools for learning design and technology based on formative and summative evaluation approaches. Students will learn to select appropriate evaluation techniques and design effective evaluation tools to generate feedback and facilitate improvement. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C

LDT 3135 Practical Project Management Cr. 3
Foundational skills, knowledge, and practice of agile project management for instructional designers using process frameworks. Students will learn the application of methods, tools, and techniques aligned with the Project Management Institute (PMI) standards. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C

LDT 3145 Interactive Course Design Cr. 3
Design, implementation, and evaluation of digital learning products based on theory and evidence-based practices. Students will use modern development tools to create engaging and interactive digital learning products. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4135 Engaging Presentation and Facilitation Strategies Cr. 3
Knowledge and delivery skills for conducting professional presentations in multiple settings and the facilitation of small and large group sessions. The focus is on the communication process, audience analysis, preparation, and selection of content and support materials. Offered Yearly.
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4145 Video and Games for Learning Cr. 3
Design, implementation, and evaluation of serious games based on theory and evidence-based practices. Students will use emerging multimedia production tools for engaging videos and serious game-based learning products. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4155 Simulations for Learning Cr. 3
Design and development of models and interfaces for simulations, including devices, linear/discrete, XR, and branching scenarios. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4165 UX Design for Learning Cr. 3
Application of user experience (UX) design principles and processes to create a meaningful learning experience. Students will use modern UX tools to design and create an interactive, evidence-based learning experience. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4195 Mobile Learning Technologies Cr. 3
Design, implementation, and evaluation of mobile learning products based on theory and evidence-based practices. Students will use emerging multimedia production tools to create engaging and effective mobile learning products. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of D-
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4235 Directed Study in Learning Design and Technology Cr. 1-4
Supervised individual learning experience design or research project which is outside the scope of formal courses. Offered Fall, Winter.
Restriction(s): Enrollment limited to students with a class of Junior or Senior; enrollment is limited to Undergraduate level students; enrollment limited to students in the College of Education.
Repeatable for 8 Credits

LDT 4900 Advanced Instructional Design Cr. 3
Application of learning design theories, principles and techniques to create a meaningful design product that meets learner needs. Students will engage in a 15-week design challenge, working in design teams employing empathic design with an authentic client who requires a specific design deliverable. Offered Yearly.
Prerequisites: LDT 3115 with a minimum grade of C
Restriction(s): Enrollment is limited to Undergraduate level students.

LDT 4915 Capstone in Learning Design and Technology Cr. 3
A capstone learning experience situated in the learning design ecosystem. Apply accumulated learning experiences to execute a viable instructional solution and develop designer identity. Offered Fall, Winter.
Prerequisites: LDT 4900 with a minimum grade of C
Restriction(s): Enrollment limited to students with a class of Senior; enrollment is limited to Undergraduate level students.

LDT 4920 Internship in Learning Design and Technology Cr. 4
Supervised training under faculty or professional mentor. Students will gain experience in the demonstration of analysis, instructional design, evaluation, project management, and performance improvement. Offered Fall, Winter.
Prerequisites: LDT 4915 with a minimum grade of C
Restriction(s): Enrollment limited to students with a class of Senior; enrollment is limited to students with a major, minor, or concentration in Learning Design and Technology; enrollment is limited to Undergraduate level students.

LDT 6135 Technology Applications in School Administration Cr. 2-3
Use of technology tools by school administrators; factors related to leadership and research in technology integration. Also offered online. Offered Fall.
Repeatable for 3 Credits

LDT 7111 Design Studio I Cr. 4
Exploration of design thinking, learning design, and empathic design to generate meaningful learning experiences that address the needs of specific learner audiences. Students will create detailed design plans and prototypes that demonstrate appropriate application of relevant learning theories and best practices. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7112 Design Studio II Cr. 4
Application of learning design theories, principles and techniques to create a meaningful design product that meets learner needs. Students will engage in a 15-week design challenge, working in design teams employing empathic design with an authentic client who requires a specific design deliverable. Offered Fall, Winter.
Prerequisite: LDT 7111 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7130 Facilitating Digital Learning Cr. 4
Design, development, facilitation, and evaluation of various learning activities for diverse learners. Students will learn to facilitate learning activities in a range of digital learning settings such as mobile, blended, online, virtual, formal, informal, and ubiquitous. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7140 Interactive Course Design Cr. 4
Design, development, implementation, and evaluation of digital learning products based on research and theory. Students will use modern development tools to create engaging, interactive, digital learning products. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7145 Needs Assessment and Analysis Cr. 4
Examination and application of needs assessment and analysis concepts, approaches, methods, and procedures across various levels (societal impact, organizational outcomes, human performance, and knowledge/learning). Illustrates evidence and processes required for performance improvement intervention selection in a variety of settings, particularly the workplace and educational settings. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7150 Evaluation of Learning and Performance Cr. 4
Evaluation of learning and performance interventions that link to stakeholders, decision-making, and performance needs. Students will learn the identification of measurable indicators and alignment of methodology to derive actionable performance improvement recommendations. Offered Winter.
Prerequisites: LDT 7145 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7180 Message Design for Learning Cr. 4
Analysis and application of principles of perception, message design, and foundation research for publication of print and electronic materials. Includes use of color, shape, typography, and page and screen design principles. Offered Every Other Year.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7210 Emerging Technologies for Digital Learning Cr. 4
Exploration, demonstration, and integration of emerging technologies in digital learning including online, blended, mobile, formal and informal learning contexts. Students will learn about innovative learning technologies and how to integrate them in varied digital learning contexts. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7220 Mobile Learning Technologies Cr. 4
Design, development, implementation, and evaluation of mobile learning products based on research and theory. Students will use emerging multimedia production tools to create engaging, interactive, and instructionally-sound mobile learning products. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7230 Video, Simulation, and Games for Learning Cr. 4
Design, development, implementation, and evaluation of serious games based on research and theory. Students will use emerging multimedia production tools to create evidence-based and engaging videos, simulations, and serious game-based learning products. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7240 Learning in Organizations Cr. 4
Provides an introduction to an organizational scope for learning and performance. Students will apply theory and concepts in human resource management, talent development, and human performance technology. Offered Yearly.
Prerequisites: LDT 7150 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7310 UX Design for Learning Cr. 4
Application of user experience (UX) design principles and processes to create a meaningful learning experience. Students will use modern UX tools to design and create an engaging, interactive, instructionally-sound learning experience. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 7400 Capstone Project Cr. 2
A capstone learning experience situated in the learning design ecosystem. Apply accumulated graduate learning experiences to execute a viable instructional solution and e-Portfolio. Offered Fall, Winter.
Prerequisites: LDT 7112 with a minimum grade of B and LDT 7150 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 8100 Critical Issues in LDT Scholarship Cr. 4
Critically analyze and synthesize key issues and concepts in the scholarship of Learning Design and Technology (LDT) demonstrated by written, oral, and visual communication. Students will develop an understanding of the research scholar's role in LDT and self-assess personal development as an emerging scholar. Offered Every Other Year.
Prerequisites: LDT 7111 with a minimum grade of B, LDT 7112 with a minimum grade of B, LDT 7145 with a minimum grade of B, and LDT 7150 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 8110 Theory and Research in LDT Scholarship Cr. 4
Demonstrate critical analysis, synthesis, and application of theories relevant to Learning Design and Technology (LDT) research through written, oral, and visual communication. Students will refine their understanding of the research scholar's role in LDT and self-assess personal development as theory-driven researchers. Offered Every Other Year.
Prerequisites: LDT 8100 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 8120 Practicum in Learning Design and Technology Cr. 1-9
Supervised training with a professional mentor. Students will gain experience in the demonstration of research methods, analysis, instructional design, evaluation, project management, and performance improvement. Offered Fall, Winter.
Prerequisites: LDT 7112 with a minimum grade of B or LDT 7150 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 9 Credits

LDT 8130 Directed Study in Learning Design and Technology Cr. 1-6
Supervised individual research project which is outside the scope of formal courses. Offered Fall, Winter.
Prerequisites: LDT 7112 with a minimum grade of B or LDT 7150 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 6 Credits

LDT 8135 Technology Applications in Central Administration Cr. 3
Use of technology tools and data by central administrators; factors related to central office leadership and research in technology integration. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the College of Education.

LDT 8320 Performance Consulting and Analysis Cr. 4
Practical application of principles of performance consulting to solve problems in large and small organizations. Topics include: role of performance consultant, identifying business needs, assessing performance, contracting techniques, managing the performance improvement process. Also offered online. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.

LDT 9105 Conducting Research in Learning Design and Technology Cr. 4
Design, development, and execution of a small-scale research study in Learning Design and Technology (LDT). Students will complete and present a LDT study to demonstrate scholarship skills. Offered Every Other Year.
Prerequisites: EER 7000-9999 with a minimum grade of B
Restriction(s): Enrollment is limited to Graduate level students.

LDT 9110 Advanced Research Seminar and Practicum Cr. 4
Course designed for advanced doctoral students in Learning Design and Technology; however it is also appropriate for students in other disciplines. Students should have completed almost all of their coursework in their major, and preferably also their work in EER. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.