

LEARNING, DESIGN, AND TECHNOLOGY (LDT)

Learning, Design and Technology (LDT) Courses

LDT 5003. Introduction to Learning, Design, and Technology. (3-0) 3 Credit Hours.

This introductory course provides an overview of the theoretical and practical foundations that inform learning, design, and technology. Course content and activities are designed to lead to an understanding of the history, theories, and philosophies driving the field. (Formerly IST 5003. Credit cannot be earned for both LDT 5003 and IST 5003.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5223. Digital Citizenship. (3-0) 3 Credit Hours.

This course explores what it means to be a good citizen in a digital society with respect to how we present ourselves online, consume and use digital resources, interact with others in digital environments, and how we use technologies in our everyday lives. This course investigates digital citizenship issues as they relate to K-12 and adult learning environments, professional and academic contexts, and everyday life. Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5233. Universal Design and Learning. (3-0) 3 Credit Hours.

This course focuses on key concepts related to universal design for learning and their application in instructional design, training, and education. Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5313. Development of Learning Technologies. (3-0) 3 Credit Hours.

This course is an introduction to technology development for technology-based learning environments. It provides knowledge and skills to create effective and accessible user interfaces, experiences, and designs. The course also explores key concepts and industry standard practices for eLearning project. (Formerly IST 5313. Credit cannot be earned for both LDT 5313 and IST 5313.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5323. Learner-Centered Design. (3-0) 3 Credit Hours.

This course provides an overview of learner-centered theories, design, and tools. Course content and activities provide opportunities to develop an understanding of the history, frameworks, philosophy, tools, and technologies that support learner-centered practices. (Formerly IST 5323. Credit cannot be earned for both LDT 5323 and IST 5323.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5343. Instructional Design. (3-0) 3 Credit Hours.

This course is an investigation of theories, principles, and processes of instructional and digital learning design including their application to instructional artifacts and curriculum development. (Formerly IST 5343. Credit cannot be earned for both LDT 5343 and IST 5343.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5363. Distance Learning and Teaching. (3-0) 3 Credit Hours.

This course offers an in-depth exploration of tools, resources, and strategies to design, develop, and support online learning. Students create a learning space through a real-world and project-based approach. (Formerly IST 5363. Credit cannot be earned for both LDT 5363 and IST 5363.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5383. Technology for Training and Professional Development. (3-0) 3 Credit Hours.

The dynamic nature of technology development and innovation requires strategies to ensure that professional populations are well prepared. Activities in this course include a review of models of training and professional development in adult educational settings, design and development of technology-supported training and professional development using industry-standard tools, and evaluation. (Formerly IST 5383. Credit cannot be earned for both LDT 5383 and IST 5383.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5703. Technology and Learning Cultures. (3-0) 3 Credit Hours.

This course is an examination of technology-delivered and technology-mediated learning as it interacts with the learners' views of the world and themselves. This course provides opportunities to explore the implications of culture and community on the design, development, implementation, and evaluation of teaching and learning. (Formerly IST 5703. Credit cannot be earned for both LDT 5703 and IST 5703.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 5883. Digital Storytelling and Learning. (3-0) 3 Credit Hours.

Digital storytelling is a multimodal narrative practice through which people create and share cultural artifacts by combining textual and audiovisual components. It offers opportunities for documentation, self-reflection, expression, communication, and case-based reasoning. This course explores approaches, tools, and techniques to effectively integrate it in learning settings. (Formerly C&I 5883 and IST 5883. Credit cannot be earned for both LDT 5883 and IST 5883 or C&I 5883.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6003. Research in Learning, Design, and Technology. (3-0) 3 Credit Hours.

This course provides an overview of research designs and methods used in the field of learning, design, and technology. (Formerly IST 6003. Credit cannot be earned for both LDT 6003 and IST 6003.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6103. Learning in Virtual Worlds. (3-0) 3 Credit Hours.

Virtual and augmented reality learning environments provide additional opportunities for learning through active participation in designed settings. This course explores learning in virtual and augmented spaces across formal and informal learning contexts. (Formerly IST 6103. Credit cannot be earned for both LDT 6103 and IST 6103.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6223. Interest-Driven Learning. (3-0) 3 Credit Hours.

This course explores constructs like curiosity, attention, and interest, and their role in formal and informal learning. The course also considers the different facets of personal interests and their relationship to learning, self-expression, and creativity. Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6353. Multimedia Design and Development. (3-0) 3 Credit Hours.

This course explores the design and development of multi-modal materials and resources in learning settings by investigating issues related to interactivity, usability, and aesthetics. (Formerly IST 6353. Credit cannot be earned for both LDT 6353 and IST 6353.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6373. Games and Learning. (3-0) 3 Credit Hours.

Playing, creating, sharing, discussing, and analyzing games can prompt rich cultural and learning experiences in both formal and informal settings. This course promotes a scholarly understanding of contemporary theories and research on game-based learning. (Formerly IST 6373. Credit cannot be earned for both LDT 6373 and IST 6373.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6513. Makerspaces and Educational Robotics. (3-0) 3 Credit Hours.

This course explores the world of makerspaces and educational robotics, and how they support STEM education and 21st century learning, particularly in the areas of innovation, creativity, collaboration, critical thinking, and problem solving. This course places students in the roles of active makers of creative and innovative products. (Formerly IST 6513. Credit cannot be earned for both LDT 6513 and IST 6513.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6623. New Literacies and Youth Cultures. (3-0) 3 Credit Hours.

New literacies involve new ways of being, doing, and participating through practices such as multimodality, transmedia, and remixing. Youth cultures are personal and social domains in which people express, reinterpret, and share their interests, often through the use of digital tools. This course provides an overview of new literacies and youth cultures, and their relationships, offering theoretical and practical approaches to leverage them in learning settings. (Formerly IST 6623. Credit cannot be earned for both LDT 6623 and IST 6623.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6943. Internship. (0-0) 3 Credit Hours.

Prerequisites: Consent of instructor and Graduate Advisor of Record. This internship is an individually supervised field experience that involves the design, development, implementation, or evaluation of technology-mediated learning experiences. (Formerly IST 6943. Credit cannot be earned for both LDT 6943 and IST 6943 or other internships.) Course Fees: GH01 \$90; INT1 \$150; LRH1 \$20; STSH \$30.

LDT 6951. Independent Study. (0-0) 1 Credit Hour.

Prerequisites: Approval of the instructor and the Graduate Advisor of Record. Designed for students needing specialized work not normally or not often available as part of the regular course offerings, this experience entails independent reading, research, discussion and/or writing under the direction of a faculty member. May be repeated for credit, but no more than 6 hours, regardless of discipline, will apply to the degree. (Formerly IST 6951. Credit cannot be earned for both LDT 6951 and IST 6951.) Course Fees: GH01 \$30; STSH \$10.

LDT 6953. Independent Study. (0-0) 3 Credit Hours.

Prerequisites: Approval of the instructor and the Graduate Advisor of Record. Designed for students needing specialized work not normally or not often available as part of the regular course offerings, this experience entails independent reading, research, discussion and/or writing under the direction of a faculty member. May be repeated for credit, but no more than 6 hours, regardless of discipline, will apply to the degree. (Formerly IST 6953. Credit cannot be earned for both LDT 6953 and IST 6953.) Course Fees: GH01 \$90; STSH \$30.

LDT 6973. Special Problems. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. This course offers graduate students the opportunity to engage in specialized study not normally or not often available as part of the program's regular course offerings. Special Problems courses may be repeated for credit when topics vary, but no more than 6 hours, regardless of discipline, will apply to the degree. (Formerly IST 6973. Credit cannot be earned for both LDT 6973 and IST 6973.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 6983. Master's Thesis. (0-0) 3 Credit Hours.

Prerequisites: Permission of the Graduate Advisor of Record and thesis director. Thesis research and preparation. May be repeated for credit, but not more than 6 hours will apply to the Master's degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. Course Fees: GH01 \$90; STSH \$30.

LDT 7013. Field Research in Learning, Design, and Technology. (3-0) 3 Credit Hours.

This course is designed to support students in doing field research in learning, design, and technology, including observations, interviews, and analysis. Students will undertake their own research study and discuss relevant literature. (Formerly IST 7013. Credit cannot be earned for both LDT 7013 and IST 7013.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 7023. Design and Development of Learning Environments. (3-0) 3 Credit Hours.

Students will design, develop, pilot, and evaluate a learning environment using the theories and practices of learning, design, and technology. (Formerly IST 7023. Credit cannot be earned for both LDT 7023 and IST 7023.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 7043. Technology and Global Learning. (3-0) 3 Credit Hours.

This course is a structured exploration of the conditions, platforms, and implications of technology-supported learning in culturally and linguistically diverse contexts. (Formerly IST 7043. Credit cannot be earned for both LDT 7043 and IST 7043.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

LDT 7771. Independent Study. (0-0) 1 Credit Hour.

Prerequisites: Doctoral standing and permission from the student's academic advisor and the Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work as part of the regular course offerings. May be repeated for credit, but no more than 6 hours will apply to the doctoral degree. (Formerly IST 7771. Credit cannot be earned for both LDT 7771 and IST 7771.) Course Fees: GH01 \$30; STSH \$10.

LDT 7773. Independent Study. (0-0) 3 Credit Hours.

Prerequisites: Doctoral standing and permission in writing (form available) from the instructor and the student's Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work as part of the regular course offerings. May be repeated for credit, but no more than 6 hours will apply to the Doctoral degree. Course Fees: GH01 \$90; STSH \$30.

LDT 7893. Directed Doctoral Research. (0-0) 3 Credit Hours.

Supervised research on a topic in learning, design, and technology. May be repeated for credit, but no more than 6 hours may be applied to the Doctoral degree. (Formerly IST 7893. Credit cannot be earned for both LDT 7893 and IST 7893.) Course Fees: GH01 \$90; STSH \$30.