Instructional Design Courses

IDCB 500 - Principles of Instructional Design
Hours: 3
This course offers a thorough introduction to the principles and practices of instructional design. Students will delve into the ethical considerations crucial for creating effective and inclusive learning experiences, emphasizing accessibility. Additionally, the course will cover other important ethical aspects, including intellectual property, equity, cultural sensitivity, and the protection of learner data and confidentiality.

IDCB 510 - Learning Theories and Instructional Strategies
Hours: 3
This course delves into the foundational learning theories and instructional strategies essential for effective teaching and learning. Students will explore key learning theories, including behaviorism, cognitivism, and constructivism, to understand how learners acquire, process, and retain knowledge. Students will be able to apply foundational theories and instructional strategies to design and implement effective and personalized learning experiences. Additionally, students will examine various learning modalities such as self-paced, project-based, and competency-based learning to design flexible and personalized instructional experiences. By the end of this course, students will be equipped with the theoretical knowledge and practical strategies to design and implement effective instructional experiences.

IDCB 522 - Curriculum Development and Assessment
Hours: 3
This course provides an in-depth exploration of curriculum design and assessment techniques. Students will learn about various types of assessments, including formative, summative, and diagnostic, and how to effectively align these assessments with learning objectives. The course will also cover standards and benchmarks, the creation of reliable assessments, and the use of data-driven decision making to inform instructional practices. Additionally, students will explore strategies for continuous improvement in curriculum development. By the end of this course, students will be equipped with the skills to develop and assess curricula that promote meaningful learning experiences. Prerequisites: Prerequisites: IDCB 500, IDCB 510.

IDCB 525 - Design Thinking for Curriculum Development
Hours: 3
This course introduces students to the principles and practices of design thinking as applied to curriculum development. Students will learn how to use design thinking methodologies to create innovative and effective curricula that meet the needs of diverse learners. The course will cover key concepts such as backward design, Understanding by Design (UbD), empathy maps, and user testing. Students will develop the skills to empathize with learners, define educational challenges, ideate solutions, prototype curriculum components, and test their effectiveness. By the end of this course, students will be equipped to apply design thinking and human-centered design methodologies to create engaging and impactful educational experiences. Prerequisites: Prerequisites: IDCB 500, IDCB 510.

IDCB 550 - Project Management for Instructional Design
Hours: 3
This course introduces project management principles and practices tailored specifically for instructional design. Students will learn how to effectively plan, execute, and manage instructional design projects using various project management frameworks and tools. The course will cover key concepts such as Agile methodologies, Gantt charts, and strategies for collaborating with subject matter experts (SMEs). Through practical assignments and real-world case studies, students will develop the skills necessary to manage instructional design projects from inception to completion, ensuring timely delivery and high-quality outcomes. Prerequisites: IDCB 500, IDCB 510, IDCB 522, IDCB 525.

IDCB 595 - Research Literature and Techniques
Hours: 3
This course is designed to help students learn the key elements in the process of designing and conducting an applied research project: writing an introduction; stating a purpose or research aims for the study; identifying research questions and hypotheses; and advancing methods and procedures for data collection, analysis, and interpretation. This course will also cover a variety of research methods commonly used. Students will also take their comprehensive exams as a part of this course for completion of their master’s degree. Students are not allowed to accelerate into this course during a term. Prerequisites: IDCB 500, IDCB 510, IDCB 522, IDCB 525.