UNIVERSITY OF MARYLAND GLOBAL CAMPUS

LDT200x Instructional Design and Technology: Instructional Design Models

Course Syllabus

March 21, 2023, to May 15, 2023

ABOUT THE COURSE

This course will explore how learning theory and motivation can be applied to the instructional process to make learning more engaging and practical for diverse learning audiences. The course focuses on two areas: 1) the theoretical principles that have contributed to the field of Instructional Design (ID), and 2) how those principles can be applied within practical settings of select professional settings. This second course in the UMGC edX MicroMasters program builds on the learning theories introduced in LDT100x (Learning Theories) course.

COURSE FACILITATORS

Lead Instructor: Dr. Ozgur Ozdemir | LinkedIn

Dr. Ozdemir has been teaching online graduate-level courses since 2018. Along with teaching, he has been working as an instructional designer for over three years to design and develop high-quality online courses. During his spare time, he enjoys hiking, traveling throughout the United States, seeing the latest movies, and spending time with his family. He can be reached at **ozgur.ozdemir@faculty.umgc.edu**

Teaching Assistant: Angela Staten | **LinkedIn**

Angela has over 23 years of experience teaching and training online and face-to-face. Her experience teaching has been in the areas of higher ed, government,

and corporate. She is currently focused on instructional design and educational technology. Angela earned her Master of Business Administration in Information Systems from Baker College Center for Graduate Studies. She can be reached at **angela.staten@umgc.edu**

PREREQUISITES

LDT 200x is the second course in a four-course sequence. The program content and course projects are sequential, allowing the learning to build on subsequent work. While there are no enforced prerequisites for this course, it is highly recommended that LDT100x (Learning Theories) be completed prior to enrolling in this course, particularly for learners with no background in Instructional Design. All course materials are presented in English.

LEARNING OUTCOMES

Upon completion of this course, you will be able to:

- Analyze contributions of selected theories to the field of instructional design.
- Describe the basic components of various motivational theories and their impact on the learning process.
- Select appropriate principles derived from given theories and apply those within practical learning situations.

COURSE SCHEDULE

The course will open on March 21, 2023, and run for 8 weeks. Each week, new content will be released. Weekly knowledge checks and discussions will be released along with course content. The course ends on May 15, 2023. You will have until that day (**11:59 PM UTC**) to complete all learning activities. The verification upgrade deadline is approximately four weeks after the course begins – April 17, 2023.

Important note about time zones & due dates: edX learners are located around the globe, necessitating the need to select one time zone for due dates. The chosen time zone for courses in the Learning Design and Technology program is UTC - Coordinated Universal Time.
Use https://www.worldtimebuddy.com/ to help you compare your time zone to UTC time.

Students should plan to spend between 10-12 hours each week to fully complete each of the following weekly modules.

- Week 1: Learning Design Evolution (March 21, 2023)
- Week 2: ADDIE Design Model (March 28, 2023)
- Week 3: Dick and Carey Design Model (April 4, 2023)
- Week 4: Understanding by Design (April 11, 2023)
- Week 5: Rapid eLearning Design (April 18, 2023)
- Week 6: Learning Objectives (April 25, 2023)
- Week 7: Sequencing, Aligning, and Assessing (May 2, 2023)
- Week 8: Instructional Systems Development (May 9, 2023)

TOPICS COVERED IN EACH WEEKLY MODULE

1. *Module 1: Learning Design Evolution*

Module 1 provides the foundation for the course. You will learn how theories of human learning and motivation can be applied to the instructional process to make it more effective, efficient, and appealing. You will then explore the evolution of trends in learning and development.

2. *Module 2: ADDIE Design Mode*l

This week, you will explore the ADDIE instructional design process, which involves the analysis, design, development, implementation, and evaluation of instruction. When implemented correctly, the ADDIE instructional design module results in the development of instructional / training materials designed to address the specific goals and objectives of a pre-identified instructional problem or performance gap.

3. *Module 3: Dick and Carey Design Model*

You will explore the Dick and Carey instructional design model. The Dick and Carey model prescribes a methodology for designing instruction based on a reductionist model of breaking instruction down into smaller components. Instruction is specifically targeted on the skills and

knowledge to be taught and supplies the appropriate conditions for the learning of these outcomes.

4. *Module 4: Understanding by Design*

In this module, you will explore the concepts and use of another instructional design framework, Understanding by Design (UbD). UbD follows three specific steps that contain a prescriptive sequence of events to develop a complete learning solution.

5. *Module 5: Rapid eLearning Design*

Rapid eLearning is a process you are probably familiar with and may even use within your organization. As it states, this model is built on a "just in time" approach to learning; however, this module will break down the processes and roles within this model.

6. *Module 6: Learning Objectives*

In this module, you will explore different approaches used in the development of learning objectives and the roles of other people within the creation and evaluation process of the objectives and learning experiences you create.

7. *Module 7: Sequencing, Aligning, and Assessing*

This week, you will focus on sequencing and aligning your course. You will also review assessment strategies. Remember, in LDT 100X, you learned about formative and summative assessments and we will review those this week.

8. *Module 8: Instructional Systems Development*

This week you will gain a better understanding of the elements that compose the instructional system development process. As you have learned in this program, instructional design is more relevant to how it's used and the gaps it is trying to fill. This module will introduce two similar yet different contexts in which learning and development processes are used. Your Signature Assignment is submitted at the end of this module.

GRADING POLICY & CERTIFICATE VERIFICATION

Grading:

Each week, new content will be released. You will be able to view all material, and verified learners will be able to take any knowledge checks at any time after the content is released. In

order to be awarded a certificate, you will need to have completed all learning activities by May 15, 2023, when the course closes. **Design Document Checks (ORA) activities should be submitted by the end of Week 7, 11:59 pm UTC, as you will no longer have access to them.**

Certification:

If you have not selected the course certification option, the verification upgrade deadline is four weeks after the course begins – April 17, 2023. Verified students must meet the 80% cut-off to earn a certificate. Additional knowledge checks, self-checks, and end-of-course feedback on projects are only available for verified learners. Verified learner grades are calculated as explained below.

Overall Grade:

Grades for verified learners will be based on: Knowledge Checks (**20%**), Open-ended Response Assignments (**20%**), and the Signature Assignment (**60%**).

Knowledge Checks

Knowledge Checks have been developed to reinforce your understanding of specific content throughout the course. These are graded components and are worth 20% of your grade.

Open-ended Response Assessments (Design Document Checks)

You will add to the 200x section of your Design Document to demonstrate an understanding of course content during LDT200x. Many design document components are developed weekly, allowing feedback and updates to improve content acquisition through the discussion boards. The Open Response Assessments (ORAs) are a chance for you to get incremental feedback on your design document (the Signature Assignment for this course) from the Instructional Staff. You will submit ORAs in Weeks 3 and 6. **It is vital that all Design Document Check (ORA) activities are submitted by the end of Week 7, 11:59 pm UTC, as you will no longer have access to them.** These are graded components and are worth 20% of your grade.

Signature Assignment

The Signature Assignment for this course combines all the concepts you have explored in the program. During the signature assignment, you will be required to apply the information and concepts covered in this course. Please see the Signature Assignment handout to complete the

assignment requirements. Completion of the signature assignment is required for all candidates enrolled in the MicroMasters certificate program. This is a graded component and worth **60%** of your grade.

Discussions

Some of the weekly modules have discussion questions or discussion postings associated with the weekly activity. Discussion responses will not be graded, but active participation in discussions provides us with an incredible resource of viewpoints, and we want to take full advantage of this diversity in our discussions. Course facilitators and the course TA will not reply to every discussion post. They will monitor the discussions, highlighting important posts and clarifying concepts as needed. The instructors will be following the same schedule for the due dates of discussions as follows:

- If there is a discussion post for the week, your initial posting should be completed by 11:59 PM UTC on Saturday.
- Follow-up discussions and postings, if required, should be completed by 11:59 PM UTC on the Monday of the week.

Please consider the following when you post:

Guidelines

- Active participation is critical. We are all learning together, and you will get out of the discussions what you put into them.
- Assume the best intentions of your classmates. If in doubt, please contact your course facilitator or course instructor about specific concerns.
- Posts should be written in your own words. If you include a quote or reference when possible, also provide a citation (book, URL, etc).
- Before posting, search the Discussion for similar questions or comments.
- Use evidence when you respond to a post with which you disagree. You can choose to support good posts and ideas if you click on the green plus button to upvote a post.

Logistics

- Please limit your posts/responses to a maximum of 400 words (by request of edX).
- A blue star on a post means a member of the course staff has endorsed it.
- If you see an inappropriate post, flag it instead of adding your own commentary.

If you are new to APA guidelines, Purdue Online Writing Lab (OWL) has a wonderful overview of how to use APA guidelines to cite resources: http://owl.english.purdue.edu. *Attribute: The Purdue University Online Writing Lab (OWL).*

Certificates

For those working to obtain a MicroMasters certificate, you need to complete all activities and discussions for the 8 weeks of the course and all required colleague follow postings. Additionally, you will need to design, develop, and publish your signature assignment and post it to the course ***by the end of week 8***.

Online students who have upgraded to verified and achieved a passing grade in Instructional Design and Technology: Design Models will earn a Verified Certificate. These verified certificates indicate that you have successfully completed the course but will include a specific grade. Many students add their certificates to resumes, CVs, or LinkedIn profiles to demonstrate mastery of a given subject area to potential employers. Certificates are issued by edX under the name of UMGC and are delivered through your dashboard on edx.org.

The Verified Certificate costs $299 to administer and requires you to complete the ID Verification process. That means that you must verify your identity with a webcam and a government-issued photo ID. Click ***Upgrade to Verified*** under the course name on your edX dashboard to complete this process.

If you are interested in earning a UMGC MicroMasters Credential in Instructional Design and Technology, you must successfully pass and receive a Verified Certificate in each of the 4 courses in the Instructional Design and Technology program:

- LDT100x Instructional Design and Technology: Learning Theories
- LDT200x Instructional Design Models
- LDT300x Instructional Design: Digital Media, New Tools and Technology

- LDT400x Instructional Design Course Evaluation and Capstone Project

We urge you to consider the Verified Certificate option. You have limited time to become a Verified Certificate student. See the edX FAQ for more details on certificates.

Instructional Design and Technology: Design Models is part of the UMGC Instructional Design and Technology MicroMasters program. The UMGC Instructional Design and Technology MicroMasters Program is a graduate-level series of courses designed to provide you with the in-depth knowledge and skills needed to be an instructional designer. This online sequence is a semester's worth of work from UMGC's Learning Design and Technology program and consists of 4 courses for a total cost of $1196.

By earning the MicroMasters credential, you will develop the knowledge and skills identified in the "what you'll learn" bullets on the program landing page and within each course. Build on your MicroMasters Credential by applying to the Learning Design and Technology program at UMGC.

Take Your Credential To The Next Level

Learners who successfully earn the MicroMasters Credential are eligible to apply to UMGC's Learning Design and Technology program for graduate-level credential options. The MicroMasters Credential will count for 12 credits in the Learning Design and Technology program only: the Learning Design and Digital Pedagogy course (6 Credits, LDT 610) and Learning Design, Media, and Emerging Technologies course (6 Credits, LDT 620).

For more information and to enroll in other courses in the UMGC Instructional Design and Technology MicroMasters programs, visit the link to edx.org.