CETL/DLOE-Coursera Learning Pathways (CDCLP) *Fall 2024*

Program structure and requirements

The CETL/DLOE-Coursera Learning Pathways (CDCLP) program is composed of the following tracks:

- **Track 1:** Generative AI in Education
- **Track 2:** Designing and Delivering Digitally Enriched Courses
- **Track 3:** Quality Teaching for Students' Success
- **Track 4:** Assessment Design
- **Track 5:** Quantitative Research Skills
- **Track 6:** Qualitative Research Skills
- **Track 7:** Leadership and Management
- **Track 8:** Social Entrepreneurship

Notes

- You can choose **only one track**.
- To make an informed decision on which learning track to choose, please **explore the individual courses** by clicking on their respective links below. You will be directed to the course webpage on the Coursera platform where you will find all the needed information (course description, what you will learn, content modules, required assessments…).
- The **minimum requirement** for completing each learning track and getting a certificate is provided with each course list. You are welcome to complete more courses than it is required for a specific track.
- Upon satisfying the minimum requirement, you will get a certificate for the whole CDCLP program from the Excellence in Teaching and Learning Center (ETLC), in addition to individual course certificates.

Track 1: Generative AI in Education

This is an introductory track designed to raise university teachers' awareness of Artificial Intelligence (AI) and its educational applications. Through targeted courses, educators gain foundational knowledge of AI, particularly generative AI, and learn how to integrate these technologies into teaching. The track offers practical insights to help you effectively use AI in your educational environment.

Minimum requirement

Complete "Prompt Engineering for ChatGPT" AND 1 other course from the remaining courses.

Course Name	Workload	Offered by
Prompt Engineering for ChatGPT	18	Vanderbilt University
Artificial Intelligence (AI) Education for Teachers	16	Macquarie University/IBM
Generative AI in Education	5	University of Glasgow
Generative AI Essentials: Overview and Impact	3	University of Michigan

Track 2: Designing and delivering digitally enriched courses

This track helps university teachers enhance the design and delivery of their courses with digital tools, applicable for both online and in-person teaching. Covering topics like multimedia, collaboration tools, and AI integration, the track provides valuable insights for enriching any teaching approach.

Minimum requirement

Complete at least 2 courses from this list.

Course Name	Workload	Offered by
Get Interactive: Practical Teaching with Technology	15	University of London
Online education: The foundations of online teaching	20	Macquarie University
Learning to teach online	17	The University of New South Wales, Sydney
AI for course design	18	University of Colorado Boulder
Innovative Teaching with ChatGPT	2	Vanderbilt University
Work Smarter with Microsoft PowerPoint	19	Microsoft

Track 3: Quality Teaching for Students' Success

This track is intended to support university teachers in fostering the students' academic success by working on their teaching practices with the aim of improving them. It covers important topics such as effective university teaching and practical instructional design strategies, the teachers' social end emotional learning, the relationship between the teacher and the curriculum and Planning for Teaching and Learning.

Minimum requirement

Complete at least 2 courses from this list.

Course Name	Workload	Offered by
University Teaching	17	The University of Hong Kong
The Teacher's Social and Emotional Learning	13	University of Colorado Boulder
Foundations of Teaching for Learning: Curriculum	10	Commonwealth Education Trust
Foundations of Teaching for Learning: Planning for Teaching and Learning	12	Commonwealth Education Trust

Track 4: Assessment Design

This track provides higher education teachers with the necessary knowledge and skills aimed at planning, designing and delivering effective assessments in their courses. Specifically, you will develop your knowledge about the concept of constructive alignment and how to create learning experiences where assessment is in line with other aspects such as learning goals and activities. In this track you will also be introduced to different approaches of assessment and the use of technology in this area.

Minimum requirement

Complete at least 2 courses from this list.

Course Name	Workload	Offered by
Assessment in Higher Education: Professional Development for Teachers	17	Erasmus University Rotterdam
Designing learning innovation	24	Politecnico Di Milano
Foundations of Teaching for Learning: Introduction to Student Assessment	12	Commonwealth Education Trust
Assessment for Learning	14	University of Illinois at Urbana-Champaign

Track 5: Quantitative Research Skills

This track offers a selection of courses which cover topics related to quantitative research methodology and methods. The must-take course, "quantitative methods", is an introduction on quantitative research methods in the social sciences with a focus on research integrity. This track also covers the topic of data processing visualization as well as data management and sharing.

Minimum requirement

Complete "Quantitative Methods" OR at least 2 courses from the remaining courses.

Course Name	Workload	Offered by
Quantitative Methods	29	University of Amsterdam
Research Data Management and Sharing	13	The University of North Carolina at Chapel Hill/ The University of Edinburgh
Data Visualization in R with ggplot2	12	Johns Hopkins University
Basic Data Processing and Visualization	10	University of California San Diego
The Total Data Quality Framework	11	University of Michigan

Track 6: Qualitative Research Skills

This track focuses on the basic ideas and processes of the qualitative research in social sciences including the activities of data collection and analysis and their corresponding methods. One of the courses presents foundational knowledge of Qualitative Comparative Analysis. This track also offers participants the opportunity to improve their skills in research data management and sharing, which is an important aspect of research.

Minimum requirement

Complete "Qualitative Research Methods" OR "Qualitative Comparative Analysis (QCA)".

Course Name	Workload	Offered by
Qualitative Research Methods	23	University of Amsterdam
Qualitative Comparative Analysis (QCA)	26	Erasmus University Rotterdam
Research Data Management and Sharing	13	The University of North Carolina at Chapel Hill/ The University of Edinburgh

Track 7: Leadership and Management

This track is intended for managers and administrative staff who are willing to broaden their knowledge and enhance their skills in the fields of leadership and management. In this track, you will be introduced to the practice of growing as a leader. You have also the occasion to learn the fundamentals of management and project planning.

Minimum requirement

Complete one of these two courses: {"Leading Teams: Developing as a Leader", "Principles of Management"} AND 1 other course from the remaining courses.

Course Name	Workload	Offered by
Leading Teams: Developing as a Leader	13	University of Illinois at Urbana-Champaign
Principles of Management	15	Johns Hopkins University
Initiating and Planning Projects	7	University of California, Irvine
Fundamentals of Project Planning and Management	9	University of Virginia

Track 8: Social Entrepreneurship

In this track, you will learn via the first course how to apply the Business Model Canvas tool for you own business case. It's a project-centered course, which is designed to help you complete a personally meaningful real-world project. The second course of the track offers an introduction to social impact strategy and social entrepreneurship with the goal to have you learn how to innovate and design new ideas and new organizational forms to implement those ideas.

Minimum requirement

Complete ALL the courses (2) in this list

Course Name	Workload	Offered by
Business Model Canvas: A Tool for Entrepreneurs and Innovators (Project-Centered Course)	18	University System of Georgia
Social Impact Strategy: Tools for Entrepreneurs and Innovators	7	University of Pennsylvania