

Educational Assessment and Digital Technologies

COURSE CONTENT:

1. Introduction to Educational Assessment

- Definitions, principles, and theoretical dimensions. Assessment systems
- Types and forms of assessment
- Principles of assessment models

2. Student Assessment

- Assessment of instructional interventions – Student assessment
- Methods, techniques, and tools for assessing teaching

3. Evaluation of Schools, Teachers, and Their Educational Work

- Evaluation of the school unit and assessment of educational work
- Curriculum evaluation

4. Digital Tools/Software to Support Educational Assessment

- Tools for designing and developing assessment rubrics
- Tools for creating self-assessment tests
- Tools for designing and developing concept and mind maps
- Tools for developing electronic student portfolios (ePortfolio)

5. Assessment Tools in the Moodle Learning Management System

- Assessment activities in Moodle
- Grading tools in Moodle

Detailed Description of Units:

In the **first unit**, we explore (a) definitions, principles, and theoretical dimensions of educational assessment, assessment systems, and assessment as a tool for social inquiry and accountability. (b) Types and forms of assessment are examined, including diagnostic, initial/predictive, formative/continuous, summative/final, external, and internal assessments. (c) Educational assessment is presented as an integral part of the educational process, covering all aspects of the educational system. The principles of assessment models emphasize assessment as a means to achieve predetermined educational goals, specifying purpose, scope, and criteria.

The **second unit** addresses topics related to student assessment, specifically (a) the evaluation of instructional interventions and student assessment. Assessment is seen as part of the teaching and learning process, with defined goals, scope, dimensions, and criteria. It discusses the use of assessment results and methods of dissemination. Descriptive forms of assessment are also introduced. (b) Methods, techniques, and tools for teaching assessment are covered, addressing the relationship with learning objectives, course content, teaching approaches, student age, learning needs, and experiences. Data collection techniques, including quantitative and qualitative assessment methods, are also discussed.

The **third unit** focuses on evaluating educational work, specifically (a) the evaluation of the school unit and the assessment of educational work. It addresses the assessment of teachers' work and their professional development, including participatory assessment forms such as self-assessment. (b) The development and implementation of assessment plans for curricula and their application are covered, along with (c) redefinition of instructional goals and redesign of suitable interventions to improve the teaching process.

In the **fourth unit**, the most popular and user-friendly digital tools for supporting the educational assessment process are presented, including: (a) tools for designing and developing assessment rubrics, (b) tools for creating self-assessment tests, (c) tools for designing and developing concept and mind maps, and (d) tools for developing electronic student portfolios (ePortfolios).

The **fifth unit** presents assessment and grading tools integrated into the Moodle Learning Management System and describes the pedagogical benefits of their use in teaching practice. It explains how to use Moodle's tools to develop various types of assessment activities, such as 'Assignment,' 'Quiz,' and 'Workshop.' Additionally, Moodle's built-in tools for managing the grading process are presented, including PDF annotation, grading scales, rubrics, grade reports, activity reports, course participation, and statistics.