Pedagogical Sciences

General Information	
Academic subject	Training systems design and evaluation
Degree course	Pedagogical Sciences
Academic year	I
European Credit Transfer and Accumulation System (ECTS/CFU)	9
SDS	M-PED/04
Language	Italian
Academic calendar	1st semester
Attendance	No
Professor/Lecturer	
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Department and address	Palazzo Chiaia-Napolitano (room 313)
Virtual headquarter	Microsoft Teams
Tutoring (time and day)	Please schedule a meeting via mail
Syllabus	
Learning objectives	o Knowledge of the epistemology of educational process design and evaluation o Knowledge of the basic methodological tools for designing and evaluating the training process o Knowledge of designing educational paths strategies and an evaluation plan
Course prerequisites	Admission to the master's degree program is obtained by having achieved a bachelor's degree or other degree awarded abroad and recognized as equivalent, meeting the curricular requirements and attesting to an adequate cultural background
Contents	o Design stages: from the detection of needs and objectives to assessment methods, from a more traditionally pedagogical point of view and taking into account the changes introduced by new technologies (learning communities and to virtual environments) o Assessment in education: meanings, needs and perspectives. o The assessment process. o Theories and models of training intervention evaluation. Features, competencies and players in the evaluation of training interventions. o Assessment, monitoring and auditing types of training, in organizational settings. o Criteria, methods, tools: towards building an evaluation competence. o Educational environments: features and peculiarities. o Learning environment technology. o Designing multimedia training environments: criteria/guidelines and areas of focus. o Analysis and empirical verification of multimedia training environments. o Quality assessment of multimedia training environments: indicators and areas of weakness. o Network training between formal and informal. o From learning platforms to personal learning environment o Evaluation research methodology
Books and bibliography	o Bezzi, C. (2010). *Il nuovo disegno della ricerca valutativa*. Milano: FrancoAngeli o Torre, E.M. (2014). *Dalla progettazione alla valutazione. Modelli e metodi per educatori e formatori*. Roma: Carocci o Baldassarre, M. (2006). Dai dati empirici alla valutazione. Bari: Edizioni Dal Sud
Additional materials	--
Work schedule	

Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours

Pedagogical Sciences

225	54	--	171
CFU/ECTS			
9	9	--	--

Teaching strategy

- o Lectures
- o Laboratories and exercises on case studies
- o Further training seminars

Expected learning outcomes

Knowledge and understanding on:	o Knowledge of the basic theoretical, conceptual and methodological tools of educational process design and evaluation o Knowledge of key concepts related to the meanings and methodologies of evaluating a training project o Ability to critically consider appropriate strategies for designing and evaluating the training process
Applying knowledge and understanding on:	o Knowledge of management methods of the evaluation process in different training contexts o Ability to design multimedia learning environments for training o Ability to design an evaluation plan, identifying the appropriate strategy and subsequent methods and tools for data collection and analysis, from specific educational needs

Soft Skills	o *Judgement autonomy*
	  ▪ Know how to choose the basic steps for developing an assessment plan for a training project
	  ▪ Know how to distinguish the adequacy of an evaluation strategy with respect to different cognitive needs
	  ▪ Know how to choose appropriate data collection and analysis techniques in line with different evaluation objectives
	o *Communication skills*
	  ▪ Know how to use the specific language of educational process design and evaluation
	  ▪ Know how to communicate and discuss the choices made on the phase planning of an evaluation plan
	  ▪ Know how to use digital technologies to effectively present and communicate acquired knowledge
	o *Ability to learn independently*
	  ▪ Know how to research new developments and trends in training system design and evaluation nationally and internationally by making use of the web and specialized bibliographic media
	  ▪ Know how to enrich one's knowledge through discussions with trainers and teachers already involved in school settings who can witness best practices

Assessment and feedback

Methods of assessment	Mid-course evaluation and final summative evaluation is provided

Evaluation criteria	o *Knowledge and ability to understand:*
	  ▪ The student is familiar with the basic theoretical, conceptual and methodological tools of educational process design and evaluation.
	  ▪ The student is familiar with key concepts related to the meanings and methodologies of evaluating a training project
	  ▪ The student is able to critically consider appropriate strategies for designing and evaluating the training process
	    o *Applied knowledge and understanding:*
	  ▪ The student knows how to manage the evaluation process in different training contexts

Pedagogical Sciences

	- The student is able to design an evaluation plan, identifying the appropriate strategy and subsequent methods and tools for data collection and analysis, from specific educational needs o *Judgement autonomy* - The student knows how to choose the basic steps for developing an assessment plan for a training project - The student knows how to distinguish the adequacy of an evaluation strategy with respect to different cognitive needs - The student knows how to choose appropriate data collection and analysis techniques in line with different evaluation objectives o *Communication skills* - The student knows how to use the specific language of educational process design and evaluation - The student knows how to communicate and discuss the choices made on the phase planning of an evaluation plan - The student knows how to use digital technologies to effectively present and communicate acquired knowledge o *Ability to learn independently* - The student knows how to research new developments and trends in training system design and evaluation nationally and internationally by making use of the web and specialized bibliographic media - The student knows how to enrich one's knowledge through discussions with trainers and teachers already involved in school settings who can witness best practices
Criteria for assessment and attribution of the final mark	Assessment of learning will be measured on the basis of levels of achievement of the different assessment criteria through an oral interview.
Additional Information	