



*Institution: Cahul State University*

Course Description

Module Handbook

**COURSE: USING ICT IN STUDENT-CENTERED LEARNING**

## COURSE DESCRIPTION

Overview	
<b>Aims and Learning Objectives:</b>	<p>In today's classrooms, technology has a vital role to have an effective and efficient teaching and learning. The ICT has opened a whole new venue for teaching and learning. It is replacing many traditional classroom settings and is changing the ways in which we teach. Students will be able to learn what they want, when they want it, where they want to, how much they want, and, most importantly, will be able to assess what they have learned.</p> <p>This course aims to address this situation by helping teachers develop learners' ICT competence. To achieve this, the course focuses on the presentation, strategies, tools and teaching techniques that would motivate learners to designing and development of E-content. E-content is becoming popular because of its flexibility of time, place and pace of learning. E-content includes all kinds of content created and delivered through various electronic media.</p> <p><b>Objectives of the course:</b></p> <ul style="list-style-type: none"> <li>• Ability to engage the learners, immerse them in the eLearning experience while making the eLearning experience as interactive as possible.</li> <li>• Ability to develop content and eLearning courses that are informative, impactful, and cleverly written.</li> <li>• Ability to facilitate the learning process and convey core ideas using a wide range of ICT</li> <li>• Ability to foster digital skills and competencies of students</li> </ul> <p><b>Learning outcomes:</b></p> <ul style="list-style-type: none"> <li>• Skills to design individual ICT-based pedagogical scenarios;</li> <li>• Skills to develop digital educational resources/e-content;</li> <li>• Skills to evaluate pedagogical scenarios;</li> <li>• Skills to select correct ICT tools for certain educational scenario</li> <li>• Skills to effectively organize learning activities in any educational environment (traditional classroom, blended/distance learning,) applying ICT.</li> </ul>
<b>Target Audience</b>	<p>The course is relevant to all teachers (university lecturers, lyceum teachers, school teachers and college teachers, teachers of vocational and secondary vocational schools etc.) who are interested in using innovative ICT methods. The focus of the course is on the practical and pedagogical activities within a classroom environment so will be more relevant to practicing teachers.</p> <p>Pre-requisites: It is necessary to have substantial knowledge of ICT to participate in the course, a basic amount of competency is recommended.</p>
<b>Duration and estimated workload of course</b>	<p>The length of the course is 15 weeks</p> <p>The number of modules: 4</p> <p>The anticipated workload for the participants per week 20 hours</p> <p>Number of ECTS awarded: 10 ECTS</p>



<b>Assessment and Certification</b>	Assessment will be via a self-assessment activity and peer-assessment activities with a mostly formative focus. The assessment activities are designed to check comprehension of the content covered in the module but more importantly should help teachers reflect on their own practice and bridge the gap between new knowledge and own practice.
<b>Module Overview</b>	<ol style="list-style-type: none"> <li>1. Teaching and learning in today's classrooms</li> <li>2. Design and development of e-content using ICT</li> <li>3. Assessment through ICT</li> <li>4. Management, implementation and evaluation of E-learning</li> </ol>
<b>Ongoing activities</b>	Participants will create an interactive online course in Moodle. They will use the following ICT tools for online course: PowerPoint, Smart Notebook, Kahoot, Plickers, Camtasia etc.

## Modules' description

Module Number:	Description
<b>Module Title:</b>	<b>I. TEACHING AND LEARNING IN TODAY'S CLASSROOMS (Teacher: Căpățână Ana)</b>
<b>Learning objectives</b>	<p>Upon completion the module, learners will be empowered to:</p> <ul style="list-style-type: none"> <li>• Define e-learning and explain the Characteristics of e-learning</li> <li>• Implement innovative teaching solutions</li> <li>• Support and manage learning environments</li> <li>• Discover the significance and value of technology in their activities</li> <li>• Identify the complexity of learning materials and experience of learners</li> </ul>
<b>Content to be covered (indicative)</b>	<ul style="list-style-type: none"> <li>• The role of teachers in the twenty-first century;</li> <li>• Use of Technology in Teaching and Learning</li> <li>• 21st century classroom</li> </ul>
<b>Teaching and learning activities</b>	<ul style="list-style-type: none"> <li>• Sharing learners' motives: why is teaching and learning in today's classrooms a topic of participants' interest;</li> <li>• Preparing round table with ideas on how teaching and learning in today's classrooms could be changed to make it more engaging;</li> <li>• Discussing how current assessment methods impact learning in the today's classrooms and how these could be changed.</li> </ul>
<b>Assessment</b>	Self-assessment activity on current approach to teaching and learning in today's classrooms



<p><b>Recommended resources</b></p>	<p>Role of teachers in the twenty-first century:</p> <p><a href="http://www.sens-public.org/article667.html?lang=fr">http://www.sens-public.org/article667.html?lang=fr</a>  <a href="https://etoninstitute.com/blog/the-7-roles-of-a-teacher-in-the-21st-century">https://etoninstitute.com/blog/the-7-roles-of-a-teacher-in-the-21st-century</a>  <a href="http://www.p21.org/news-events/p21blog/1791-the-changing-roles-of-teachers-what-research-indicates-part-i-of-ii-">http://www.p21.org/news-events/p21blog/1791-the-changing-roles-of-teachers-what-research-indicates-part-i-of-ii-</a></p> <p>Use of Technology in Teaching and Learning:</p> <p><a href="https://www.ed.gov/oii-news/use-technology-teaching-and-learning">https://www.ed.gov/oii-news/use-technology-teaching-and-learning</a>  <a href="http://education.mit.edu/wp-content/uploads/2015/01/GamesSimsSocNets_Ed">http://education.mit.edu/wp-content/uploads/2015/01/GamesSimsSocNets_Ed</a>  <a href="https://www.securedgenetworks.com/blog/5-Ways-Technology-in-the-Classroom-is-Changing-Education">https://www.securedgenetworks.com/blog/5-Ways-Technology-in-the-Classroom-is-Changing-Education</a></p> <p>21st century classroom:</p> <p><a href="https://www.edutopia.org/discussion/10-signs-21st-century-classroom">https://www.edutopia.org/discussion/10-signs-21st-century-classroom</a>  <a href="http://www.tech4learning.com/21st_century_classroom_elementary">http://www.tech4learning.com/21st_century_classroom_elementary</a>  <a href="http://edtechreview.in/news/862-top-10-characteristics-of-a-21st-century-classroom">http://edtechreview.in/news/862-top-10-characteristics-of-a-21st-century-classroom</a></p>
<p><b>Module Title 2:</b></p>	<p><b>DESIGN AND DEVELOPMENT OF E-CONTENT USING ICT (Teacher: Căpățână Ana)</b></p>
<p><b>Learning objectives of module:</b></p>	<p>Learners are expected to:</p> <ul style="list-style-type: none"> <li>• Classify the e-learning technologies</li> <li>• Understand the features of and appropriately use Learning Management System(LMS) and Learning Content Management System (LCMS)</li> <li>• Apply Web 2.0 technology tools</li> <li>• Understand and apply principles of designing and development of e-content</li> <li>• Create an interactive e-content</li> </ul>
<p><b>Content to be covered (indicative)</b></p>	<p>Features and specifics of selected ICT tools for the creation of e-content:</p> <ul style="list-style-type: none"> <li>- Adobe presenter</li> <li>- Interactive Education Software - SMART Notebook</li> <li>- Video Editor - Camtasia</li> </ul>
<p><b>Learning and teaching activities</b></p>	<ul style="list-style-type: none"> <li>• Exploration of Moodle features for content development</li> <li>• Production of content using Adobe Presenter</li> <li>• Create a presentation with software smart notebook</li> <li>• Create a “practical proof” or record a learning video</li> </ul>
<p><b>Assessment</b></p>	<p>Submitting presentation of smart notebook and learning video</p>



<b>Resources</b>	<a href="http://moodle.usch.md/login/index.php">http://moodle.usch.md/login/index.php</a>
<b>Module Title 3:</b>	<b>ASSESSMENT THROUGH ICT (Teacher: Bîrlea Svetlana)</b>
<b>Learning objectives of module:</b>	<p><b>Learners are expected to:</b></p> <ul style="list-style-type: none"> <li>• critically analyse traditional assessment concepts</li> <li>• understand enhancing role of ICT in assessment</li> <li>• know various technology tools and possibilities for assessment of student learning</li> <li>• design and create digital assessment portfolio</li> <li>• create tests/ quizzes/rubrics using online and offline software tools</li> <li>• explore various digital online and offline assessment alternatives available</li> </ul>
<b>Content to be covered (indicative)</b>	<ul style="list-style-type: none"> <li>- Types of assessment</li> <li>- Assessment: digital tools and option</li> <li>- Assessment through Moodle</li> <li>- E-portfolio</li> <li>- Mobile Apps for assessment</li> <li>- Assessment and feedback</li> </ul>
<b>Teaching and learning activities</b>	<ul style="list-style-type: none"> <li>• What is Assessment? Explain the types of Assessment.</li> <li>• Reflect on the role of ICT in assessment.</li> <li>• Reflect on the e-portfolio that how it might help in the process of evaluation. Also browse through some sample online e-portfolio.</li> <li>• Create a quiz in Moodle.</li> <li>• Create a quiz in Kahoot.</li> </ul>
<b>Assessment</b>	Summative Assessment through Moodle. Peer assessment and feedback.
<b>Resources</b>	<p><a href="https://www.education.act.gov.au/_data/assets/pdf_file/0011/297182/Teachers_Guide_to_Assessment_Web.pdf">https://www.education.act.gov.au/_data/assets/pdf_file/0011/297182/Teachers_Guide_to_Assessment_Web.pdf</a></p> <p><a href="http://www.uwec.edu/CETL/resources/upload/online-assessment.pdf">http://www.uwec.edu/CETL/resources/upload/online-assessment.pdf</a></p> <p><a href="http://www.open.edu/openlearncreate/course/view.php?id=1581#tabs-2">http://www.open.edu/openlearncreate/course/view.php?id=1581#tabs-2</a></p> <p><a href="http://moodle.njit.edu/tutorials/faculty/creating_quiz.pdf">http://moodle.njit.edu/tutorials/faculty/creating_quiz.pdf</a></p> <p><a href="https://www.youtube.com/watch?v=co8RNI9BSY">https://www.youtube.com/watch?v=co8RNI9BSY</a></p>



	<p><a href="https://www.youtube.com/watch?v=5N7KZFRL7ml">https://www.youtube.com/watch?v=5N7KZFRL7ml</a></p> <p><a href="https://www.youtube.com/watch?v=ji9xl-NssQk">https://www.youtube.com/watch?v=ji9xl-NssQk</a></p> <p><a href="https://www.heacademy.ac.uk/system/files/resources/assessment_and_feedback.pdf">https://www.heacademy.ac.uk/system/files/resources/assessment_and_feedback.pdf</a></p> <p><a href="https://www.plickers.com/">https://www.plickers.com/</a></p> <p><a href="https://kahoot.it/">https://kahoot.it/</a></p>
<b>Module Title 4:</b>	<b>MANAGEMENT, IMPLEMENTATION AND EVALUATION OF E-LEARNING (Teacher: Bîrlea Svetlana)</b>
<b>Learning objectives of module:</b>	<p><b>Learners are expected to:</b></p> <ul style="list-style-type: none"> <li>- Plan, design, develop, implement, and evaluate an eLearning session</li> <li>- Reflect upon evaluation results for continuous improvement of teaching activities</li> </ul>
<b>Content to be covered (indicative)</b>	<ul style="list-style-type: none"> <li>- Elements of a successful E-Learning teaching strategy</li> <li>- Evaluation the impacts of e-learning</li> <li>- Improvement of teaching through learners' feedback and evaluation</li> </ul>
<b>Teaching and learning activities</b>	<ul style="list-style-type: none"> <li>- Creating a student questionnaire for improvement teaching</li> <li>- Creating a quiz in Kahoot for getting learner's feedback.</li> </ul>
<b>Assessment</b>	<p>Summative Assessment through Moodle.</p> <p>Creating an e-portfolio using Google sites</p>
<b>Resources</b>	<p><a href="http://www.cecoa.pt/files/dbdownload/4696a9e8c93d011017c4ba54b1d012b5">http://www.cecoa.pt/files/dbdownload/4696a9e8c93d011017c4ba54b1d012b5</a></p> <p><a href="http://pontydysgu.org/wp-content/uploads/2007/11/eva_europe_vol2_prefinal.pdf">http://pontydysgu.org/wp-content/uploads/2007/11/eva_europe_vol2_prefinal.pdf</a></p> <p><a href="http://www.fao.org/docrep/015/i2516e/i2516e.pdf">http://www.fao.org/docrep/015/i2516e/i2516e.pdf</a></p> <p><a href="http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1392&amp;context=podimproveacad">http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1392&amp;context=podimproveacad</a></p> <p><a href="https://www.youtube.com/watch?v=Huju0xwNFKU">https://www.youtube.com/watch?v=Huju0xwNFKU</a></p> <p><a href="https://www.youtube.com/watch?v=S770g-LULFY">https://www.youtube.com/watch?v=S770g-LULFY</a></p>