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## Teacher Training (TT) Course Syllabus

<b>Institution Name</b>	<b>National Polytechnic University of Armenia (NPUA)</b>
<b>TT Course Title</b>	<b>"Active Learning in the Flipped Classroom"</b>
<b>Instructor(s) Name(s)</b>	<b>Meri Ghazaryan</b>
<b>Faculty and Department</b>	Institute of Energy and Electrical Engineering
<b>Position</b>	Chief of Chair Thermal Power Engineering and Environmental Protection, Associate professor
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<b>Phone number</b>	(+374 91) 728 566
<b>Meeting Dates &amp; Times</b>	11.03.2019, 15.03.2019, 18.03.2019, 22.03.2019, 25.03.2019
<b>Place/Room(s)</b>	15 <sup>00</sup> -17 <sup>00</sup> 2332
<b>Workload</b>	10 hours presented in 2 hours per day x 5 days of classroom work.
<b>Course Purpose</b>	The purpose of this course is figuring out the basic concept of active learning and pointing out the main strategies and methods of active learning and principles of applying Flipped Classroom as an approach in Active learning.
<b>Learning Outcomes (LOs):</b>	<ul style="list-style-type: none"> <li>• Understand the concepts of Active Learning and Flipped Classroom.</li> <li>• Compare and contrast/combine Active Learning and Flipped Classroom with Traditional models.</li> <li>• Define the advantages and limitations of AL&amp;FC.</li> <li>• Enhance pedagogic-digital competences.</li> <li>• Design or redesign of own courses.</li> </ul>
<b>Course methodology/Instructional Strategies</b>	<p>The course is a 10 hour intensive course. Each theme will start with a short introductory presentation, but most of the time is spent on working in pairs or smaller groups with practical assignments on design of learning activities and courses.</p> <p>The course is examined in four parts:</p> <ul style="list-style-type: none"> <li>• Active participation in seminars and practical works.</li> <li>• Assignment on design and development of teaching and learning activity where digital tools support active learning</li> </ul>

	<ul style="list-style-type: none"> <li>• Assignment on design and development of digital course material supporting students' preparation for teaching and learning activities</li> <li>• Assignment on overall design of a complete course where digital tools and digital course material are used to support active learning</li> </ul> <p>The assignments are completed in pairs or smaller groups and the participants are expected to present their work orally, with the support of visual aids, for the rest of the course. Assignment presentations are followed by discussions where all participants are expected to be active.</p>
<b>Recommended Texts &amp; Materials</b>	List any required reading materials, include a note about any electronically-available/online content on the LiU PRINTEL Web, library, etc. List other tools, resources, and materials needed by the trainees for success in the course.
<b>Basic Technical/Media Requirements</b>	List any required equipment (e.g. PC, Tablet, Laptop, Smartphone, etc.) and internet connection or special software required (e.g. Padlet, Slido, Panopto, Mentimeter. etc.)
<b>Quality Assurance (QA)</b>	<p><b>Formative assessment:</b> circulating by the trainers in the classroom during workshops, reflections.</p> <p><b>Summative assessment:</b> comparing before class and after class course designs, assessment of the final presentations, reflections.</p>

## Course Overview/Outline

Training Days	Key Topics	Learning Activities	Assignments
<b>Day-1</b> 11.03.2019 15 <sup>00</sup> -17 <sup>00</sup> 2332	Introduction to Active Learning: Brief presentation and exercise on Active learning concept and its methods.	<ul style="list-style-type: none"> <li>• Acquisition,</li> <li>• Discussion, Investigation,</li> <li>• Comparison of methods</li> <li>• Reflections</li> </ul>	<ul style="list-style-type: none"> <li>• Small group assignment #1: TET-SAT</li> </ul>
<b>Day-2</b> 15.03.2019 15 <sup>00</sup> -17 <sup>00</sup> 2332	Introduction of Flipped Classroom: production of learning materials using digital technologies .	<ul style="list-style-type: none"> <li>• Acquisition</li> <li>• Collaboration, Investigation, Discussion</li> <li>• Practice, Production</li> </ul>	<ul style="list-style-type: none"> <li>• Small group assignment #2: Padlet</li> </ul>
<b>Day-3</b> 18.03.2019 15 <sup>00</sup> -17 <sup>00</sup> 2332	ABC design workshop: Arena Blended Connected Learning Design	<ul style="list-style-type: none"> <li>• Acquisition</li> <li>• Brainstorm</li> <li>• Practicing of ABC learning design method</li> </ul>	<ul style="list-style-type: none"> <li>• Small group assignment #3: Brief evaluation of the ABC LD workshop</li> </ul>
<b>Day-4</b> 22.03.2019 15 <sup>00</sup> -17 <sup>00</sup> 2332	Instructions to DEF course development: The DEF course development.	<ul style="list-style-type: none"> <li>• Acquisition</li> <li>• Redesigning part of course using ABC</li> </ul>	<ul style="list-style-type: none"> <li>• Individual assignment #4: Design or redesign course by DEF method</li> </ul>

		approach (Practice, Production).	
<b>Day-5</b> 25.03.2019 15 <sup>00</sup> -17 <sup>00</sup> 2332	Presentation of designed/redesigned courses.	Presentations of the redesigned parts of courses.	Final reflection and evaluation.