

## RAPIDE e-course on relevant pedagogies and LA

<b>RAPIDE e-course on relevant pedagogies and LA</b>		
This e-course consists of four chapters: innovative pedagogies (FC & WBL); assessment related to innovative pedagogies; learning analytics; impact of innovative pedagogies		
<b>Planirani ECTS:</b> 4		
<b>Broj polaznika:</b> 45		
<b>Način izvođenja:</b> Online		
<b>Status:</b> DOVRŠENO		
<b>Javni pristup tečaju:</b> Javno		
<b>Suradnici:</b> Darko Grabar, Petra Vondra, Mirza Žižak, Nikola Kadoić, Blaženka Divjak, Barbi Svetec, Bart Rienties, Gillian Saunders-Smiths, Michael Eichhorn, Dora Brauneger, Francisco Iniesto, Nataša Hoić-Božić, Josipa Badari, Marta Žuvić, Gitte van Helden, Alexander Tillmann, Angela Rizzo, Vivian van der Werf		
<b>Ishod učenja tečaja</b>	<b>Razina</b>	<b>Težina</b>
Describe the concept of innovative teaching approaches that stimulate student engagement and a deep approach to learning.	Razumijevanje	8
Design and implement FC and WBL in online environment, taking into account the study and subject field and students' background and needs.	Primjena	12
Design and implement assessment methods related to FC and WBL in online environment, taking into account learning outcomes and students' background.	Primjena	12
Implement peer-assessment and student project assessment using a peer-assessment app or tool.	Primjena	10
Analyse aspects in which learning analytics can be used in order to support students in learning and their teachers in facilitate students' learning in online environment.	Analiziranje	10
Analyse LA models and dashboards that support students in FC and WBL in online environment, taking into account study and subject field and student background and needs.	Analiziranje	10
Interpret LA data taking into account ethical aspects of LA.	Evaluacija	10
Choose appropriate assessment methods, taking into account inclusiveness, learning outcomes, validity, reliability, resources, and educational impact.	Primjena	8
Estimate the impact of innovative pedagogies on the strategic goals of an institution.	Analiziranje	10



## Innovative pedagogies (FC & WBL)

Describe the concept of innovative teaching approaches that stimulate student engagement and a deep approach to learning.

**(90%),** Design and implement FC and WBL in online environment, taking into account the study and subject field and students' background and needs. **(90%),**

Design and implement assessment methods related to FC and WBL in online environment, taking into account learning outcomes and students' background.

**(10%),** Estimate the impact of innovative pedagogies on the strategic goals of an institution. **(10%)**

Prepare!

[FOI*] Introductory reading on work-based learning (WBL) A short reading material presenting a summary of research on WBL in online environments.	30 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne				
Introductory video on FC and WBL Introduction to the key concepts related to FC and WBL in general, with examples from project HEIs.	20 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne				
[FOI*] Quiz on FC and WBL A short quiz covering the key notions related to FC and WBL, based on the reading material.	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Automatizirano	Ne	2	Formativno	Automatizirano		
Discussion on prior experiences Participants share experiences in FC and WBL in a discussion forum. The discussion is moderated by the OU.	60 min	Diskusija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Vršnjak	Ne	Ne				
[FOI*] Introductory reading on flipped classroom (FC) A short reading material presenting a summary of research on FC in online environments.	30 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne				
Ukupna opterećenja cjeline	2.83h													

Engage!												
<p>Reflect on FC and WBL experiences from colleagues</p> <p>Participants discuss (synchronously) their experiences related to FC and WBL and compare those based on the introductory read.</p>	60 min	Diskusija	Online	Sinkrono	Nastavnik prisutan	Ne	Da	Nastavnik	Ne	2	Formativno	Nastavnik, Automatizirano
<p>Investigation of students' perspectives on FC and WBL</p> <p>Participants explore available case studies related to FC and WBL.</p>	120 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Da	Ne	Ne	Ne		
<p>Preparation of a design on FC</p> <p>Participants work in groups to prepare proposals for designing and (potentially) implementing FC approaches.</p>	180 min	Kreacija	Online	Sinkrono	Nastavnik prisutan	Da	Da	Nastavnik, Vršnjak	Ne	Ne		
<p>Peer review of FC</p> <p>Peer-assessment of the proposed FC design.</p>	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	10	Sumativno	Nastavnik, Vršnjak
<p>Preparation of a design on WBL</p> <p>Participants work in groups to prepare proposals for designing and (potentially) implementing WBL approaches.</p>	180 min	Kreacija	Online	Sinkrono	Nastavnik prisutan	Da	Da	Nastavnik, Vršnjak	Ne	Ne		
<p>Peer assessment of WBL</p> <p>Peer-assessment of the proposed design of WBL</p>	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	10	Sumativno	Nastavnik, Vršnjak

<p><b>Q&amp;A and live discussion</b> Participants discuss further questions related to FC and WBL in a moderated live (synchronous) discussion. The first part includes presentations of a few WBL and FC concepts. The second part includes a discussion on the key challenges related to WBL and FC.</p>	120 min	Diskusija	Online	Sinkrono	Nastavnik prisutan	Ne	Da	Nastavnik, Vršnjak	Ne	2	Formativno	Nastavnik, Vršnjak, Automatizirano
<b>Ukupna opterećenja cjeline</b>	12h											
<b>Extend!</b>												
<p><b>Further reading and individual research</b> Reading material related to most recent research on FC and WBL, with hints for investigation.</p>	120 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne		
<p><b>Problem solving related to FC and WBL</b> Participants reflect together on the potential benefits and risks of FC and WBL. Participants provide their interpretation, followed by peer-assessment.</p>	120 min	Vježbanje	Online	Asinkrono	Nastavnik nije prisutan	Da	Da	Vršnjak	Ne	Ne		
<p><b>Peer-assessment</b> Solutions to the problem assignment are peer-assessed.</p>	60 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Nastavnik, Vršnjak	Ne	10	Sumativno	Nastavnik, Automatizirano, Samostalno

<p>Further reading Participants are provided with additional research articles for independent learning</p>	300 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
<p>Ukupna opterećenja cjeline</p>	10h									
<p><b>Assessment related to innovative pedagogies</b> Describe the concept of innovative teaching approaches that stimulate student engagement and a deep approach to learning. <b>(10%)</b>, Design and implement FC and WBL in online environment, taking into account the study and subject field and students' background and needs. <b>(10%)</b>, Design and implement assessment methods related to FC and WBL in online environment, taking into account learning outcomes and students' background.</p>										

(90%), Implement peer-assessment and student project assessment using a peer-assessment app or tool. (100%), Choose appropriate assessment methods, taking into account inclusiveness, learning outcomes, validity, reliability, resources, and educational impact. (100%)

Prepare!

<p>[TU] Intro to the course - video Introduction and welcome video of module. Sets out LO and gives Short definition and explains concepts of FC and WBL as defined within Scope of Rapide Project</p>	<p>30 min</p>	<p>Usvajanje</p>	<p>Online</p>	<p>Asinkrono</p>	<p>Nastavnik nije prisutan</p>	<p>Ne</p>	<p>Ne</p>	<p>Ne</p>	<p>Ne</p>	<p>Ne</p>
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<p>[TU]([FOI]-completed)Introductory reading/video on assessment in flipped classroom (FC) A short reading material presenting a summary of research on assessment in FC in online environments. Gillian to build on FOI existing material that is already there to align. No further FOI action needed.</p>	60 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne		
<p>[TU]([FOI] -completed) Quiz on assessment in FC A short quiz covering the key notions related to assessment in FC, based on the reading material. Gillian to build on FOI existing material that is already there to align. No further FOI action needed.</p>	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Automatizirano	Ne	2	Formativno	Automatizirano
<p>[TU] ([FOI]-completed)Introductory reading/video on assessment in work-based learning (WBL) A short reading material presenting a summary of research on assessment in WBL in online environments. Gillian to build on FOI existing material that is already there to align. No further FOI action needed.</p>	60 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne		



[TU] Peer assessment Video - This video highlights possible types of peer assessment. Will also aim to inspire participants' own ideas about implementation to increase students' motivation and engagement. This may become two videos depending on the length.	30 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne			
[TU] Reading on peer assessment Students are asked to read a Literature review on peer assessment that lead to further investigation of type of Peer Assessment they may want to employ in their own courses.	60 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne			
[TU]Quiz Knowledge check on peer assessment	20 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Automatizirano	Ne	5	Sumativno	Automatizirano	
[tu][FOI/SoM]Case studies videos 3 Videos - 3 different case studies (Delft -2 for Peer Review and Peer Evaluation, FOI/SoM on Peer Grading - Moodle plug in Darko) with hints for practice (help participants plan their own implementation)	60 min	Vježbanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne			

<p><b>[TU]Reading on additional case studies</b> Introducing participants to a number of other case studies available in form of text for participants to investigate on their own and to inspire and inform their own practice</p>	90 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
<p><b>[TU]Talk show - live from NMC Delft via ZOOM - preliminary date 29 June</b> Live Talk show with successful experts and experienced users (2-3) who will answer Participants' questions on Peer Assessment under the Ask Me Anything Principle hosted by a moderator. Participants can ask questions live but can also submit questions before hand.</p>	90 min	Diskusija	Hibridno	Sinkrono	Nastavnik prisutan	Ne	Da	Nastavnik, Vršnjak, Ostalo	Ne	Ne
<p><b>[TU]Create own plan for peer assessment</b> Participants choose an activity in a course they want to use PA in and post their plan for peer assessment taking into account students' backgrounds, constructive alignment, etc.</p>	120 min	Kreacija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne



<p>[TU input from others always appreciated]Digital tools for peer assessment</p> <p>In this section links to the many different PA tools and options that are available are shared, such as FOI Moodle plugin, CATME by Purdue etc. It is aimed to keep the list up-to-date by asking participants to share successful examples they have come across in their practice.</p>	150 min	Vježbanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
<p>[TU]Share your experience</p> <p>Participants share their experience (in a discussion forum) on assessment implementations, including student feedback, literature references, tools...</p>	210 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Da	Nastavnik, Automatizirano, Vršnjak, Ostalo	Ne	Ne
<p>[TU][foi - completed using input from your presentation in FF]Pitfalls of peer-assessment</p> <p>A short summary of some of the pitfalls of PA with references for further reading and investigation provided.</p>	180 min	Istraživanje	Na lokaciji	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne



## Learning analytics and dashboards

Analyse aspects in which learning analytics can be used in order to support students in learning and their teachers in facilitate students' learning in online environment.

**(100%),** Analyse LA models and dashboards that support students in FC and WBL in online environment, taking into account study and subject field and student background and needs.

**(100%),** Relate LA to the social impact and informed decision-making in HE. **(20%),** Interpret

LA data taking into account ethical aspects of LA. **(90%)**

Prepare!

[FOI*] Introductory video on LA Video with basic information about LA and dashboards (5min).	15 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne			
[FOI*] Introductory reading on LA Short reading material on the basics of LA.	45 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne			
[FOI*] Quiz Short quiz with questions related to introductory materials (video, reading).	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Automatizirano	Ne	2	Formativno	Automatizirano	
[FOI*] Discussion on experiences Discussion forum on experiences in the use of LA.	60 min	Diskusija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Da	Vršnjak	Ne	Ne			
<b>Ukupna opterećenja cjeline</b>	<b>2.5h</b>												
<b>Engage!</b>													
[FOI] Introductory exchange of experiences Participants discuss (synchronously) their experiences related to LA, or ideas based on the literature.	60 min	Diskusija	Online	Sinkrono	Nastavnik prisutan	Ne	Da	Nastavnik, Vršnjak	Ne	2	Formativno	Nastavnik, Automatizirano	

<p><b>[FOI] Investigation of students' &amp; teachers' perspectives on LA dashboards</b>  Participants explore available resources related to features of LA dashboards expected and needed by students and teachers. Some materials are provided in the e-course, but participants can also consult other available sources.</p>	180 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Da	Ne	Ne	Ne			
<p><b>[FOI] Concepts for student or teacher dashboards</b>  Based on the reading and other materials, participants work in groups/individually to identify key features and prepare concepts for student or teacher dashboards for FC and PBL.</p>	180 min	Kreacija	Online	Asinkrono	Nastavnik nije prisutan	Da	Da	Vršnjak	Ne	Ne			
<p><b>[FOI] Peer-assessment</b>  Peer-assessment of the proposed student or teacher dashboard concepts.</p>	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	10	Sumativno	Nastavnik, Vršnjak	

<p><b>[FOI] Q&amp;A and live discussion</b> Participants discuss further questions related to LA in a moderated live (synchronous) discussion. The first part includes presentations of a few dashboard concepts. The second part includes a discussion on the key challenges related to LA, such as dashboard data collection and interpretation, ethical issues.</p>	120 min	Diskusija	Online	Sinkrono	Nastavnik prisutan	Ne	Da	Nastavnik, Vršnjak	Ne	2	Formativno	Nastavnik, Vršnjak, Automatizirano
<p><b>Ukupna opterećenja cjeline</b></p>	9.5h											
<p><b>Extend!</b></p>												
<p><b>[FOI] Further reading on data interpretation</b> Reading material related to tips &amp; tricks on data interpretation, with hints for investigation.</p>	120 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne		
<p><b>[FOI] Problem-solving related to data interpretation</b> Participants work on a problem assignment from a real-world context related to data interpretation in an educational setting. Participants provide their interpretation, followed by peer-assessment.</p>	120 min	Vježbanje	Online	Asinkrono	Nastavnik nije prisutan	Da	Da	Vršnjak	Ne	Ne		



<p><b>Impact of innovative pedagogies</b></p> <p>Estimate the impact of innovative pedagogies on the strategic goals of an institution. <b>(90%)</b>, Relate LA to the social impact and informed decision-making in HE. <b>(80%)</b>, Interpret LA data taking into account ethical aspects of LA. <b>(10%)</b></p>										
<p><b>Prepare!</b></p>										
<p>[GU] Introductory video on impact A short introductory video on ensuring (social) impact.</p>	15 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
<p>[GU] Introductory reading on impact and strategy A reading material on impact and strategy.</p>	90 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
<p>[FOI] Introductory video on strategic planning Introduction on BSC and DOI</p>	15 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
<p>[FOI] Introductory reading on strategic planning Text about BSC and DOI</p>	60 min	Usvajanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne

[FOI] [GU] Selfassessment test Participants will have a selfassessment test related to the basic concepts of IO4	30 min	Vrednovanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	2	Formativno	Automatizirano
[GU] Discussion on impact and strategy Participants share their perspectives on impact and strategy, based on guiding questions.	60 min	Diskusija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Vršnjak	Ne	Ne		
Ukupna opterećenja cjeline	4.5h											
Engage!												
[GU] Planning impact analysis with the logical model results staircase Participants apply the staircase to their courses by using a table with criteria within a Wiki	90 min	Kreacija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne		
[GU] Peer-feedback of the planning results Participants assess others results using peer feedback guidelines; working in small groups in breakout-rooms	120 min	Vrednovanje	Online	Sinkrono	Nastavnik prisutan	Da	Da	Vršnjak	Ne	Ne		

[FOI] Measuring the influence of innovative teaching activities on strategic goals Lecture on methodology for measuring the influence of innovative teaching on strategic goals of the institution	90 min	Usvajanje	Online	Sinkrono	Nastavnik prisutan	Ne	Ne	Ne	Ne	Ne			
[FOI] Workshop on the application of the methodology for measuring the impact of innovative teaching on strategic goals Participants apply the methodology in group decision making	180 min	Kreacija	Online	Asinkrono	Nastavnik nije prisutan	Da	Da	Nastavnik, Vršnjak	Ne	10	Sumativno	Nastavnik, Vršnjak	
[GU] Investigation of study designs and indicators for impact analysis Reviewing indicators and appropriate scales from a list, suitable for the chosen evaluation objectives.	60 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne			
[GU] Concept of study design for impact analysis Creation of an evaluation concept or a study design for the impact analysis from the selected indicators	60 min	Kreacija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	10	Sumativno	Nastavnik, Vršnjak	

[GU] Peer-feedback on study designs and/or evaluation concepts Participants give feedback in groups on study design and/or evaluation concepts	90 min	Vrednovanje	Online	Sinkrono	Nastavnik prisutan	Da	Da	Nastavnik, Vršnjak	Ne	Ne
[FOI] Peer-assessment of the workshop results (MIT) Student assess others groups results	75 min	Vrednovanje	Online	Sinkrono	Nastavnik prisutan	Da	Ne	Nastavnik, Vršnjak	Ne	Ne
<b>Ukupna opterećenja cjeline</b>	<b>12.75h</b>									
<b>Extend!</b>										
[GU] Revision of the evaluation concept based on the feedback participants finalize the evaluation concepts and/or study designs	60 min	Kreacija	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Nastavnik	Ne	Ne
[GU] Concept of study design for impact analysis - future work Participants conduct further work and individual research on concept of study design for impact analysis	165 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne
[FOI] MIT - further work Participants conduct further work and individual research on the MIT	90 min	Istraživanje	Online	Asinkrono	Nastavnik nije prisutan	Ne	Ne	Ne	Ne	Ne

