

Knowledge assessment in learning management system Moodle

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Center for the use of ICT
in pedagogical process

Formative vs. summative assessment

Formative assessment comprises low stakes formal and informal testing throughout the learning process, requiring the instructor to modify her teaching and learning activities to ensure the student reaches and exceeds the required learning outcomes.

Summative assessment (of learning) on the other hand, summarises the development of the learners for a particular block of learning and hopefully confirms that they mastered the learning outcome.



Students assessments

ISSUES: Is it possible to adequately assess courses that are completely online and how we can verify who is doing the actual assessment?

The evaluation of students should be done both formatively and summatively and based around:

- Class participation
- Student contributions during the course (project work, problem based learning etc.)
- Homework assignments
- Examinations and any online quizzes

(Formative) Assessments

Assessments support student learning when they are structured so that:

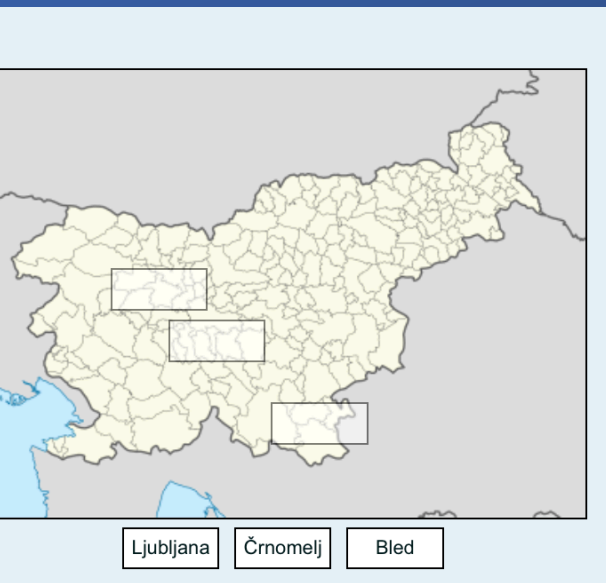
- They encourage “time on task”.
- They maintain an even pace of workload throughout the semester.
- They drive the student into deep learning (as opposed to surface learning).
- They set clear and high expectations.

Feedback for assignments should:

- Be clear, timely and appropriate.
- Provide clear linkages between content, question, learning outcomes and assessment criteria.
- Focus on learning rather than “working the system” in terms of improved grades.
- Allow students to work towards an improved future submission.

Advantages of Online Quizzes [example: Moodle Quiz]

- Quick and easy access no matter where the learner is.
- Instantaneous feedback.
- Reuse of quizzes possible.
- Multiple attempts are allowed.
- Automatic corrections are given.



Ljubljana je glavno mesto .

Zagreb je glavno mesto .

Dunaj je glavno mesto .

Glavno mesto Belgije je .

Glavno mesto Češke je .

Glavno mesto Francije je .

Slovenije Avstrije Hrvaške

Pariz Bruselj Praga

Time left 0:19:49

Question 1
Ni bilo odgovora
Marked out of 1.00
Flag question
Edit question

Katero državo imenujemo dežela tisočerih jezer, zakaj?

Ime države. To državo imenujemo tako, ker ...

Poveži funkcionalnosti spletne učilnice s prevladujočim namenom uporabe.

Medvrstniško vrednotenje Choose...
Sprotno preverjanje znanja Choose...
Diskusija Choose...
Delavnica
Kviz
Forum

Za brskanje po spletu lahko uporabim . Takšen program je na primer .

Brskalnik
Chrome

Slovenija Italija Avstrija Madžarska Hrvaška

Computer Assisted Assessments [example: Moodle Assignment]

- Questions can be personalized. This reduces the possibility of plagiarism or cheating as each question can be subtly different.

Obvezno: Zaključna aktivnost – 60 min

Spoštovani,

pred nami je zaključna aktivnost spletne delavnice Didaktična uporaba IKT v procesu učenja in poučevanja. Njen namen je, da udeležencem omogoči povezovanje usvojenega znanja po tematskih sklopih v zaključeno celoto.

Vsak udeležene oblikuje posodobljeno študijsko aktivnost za poljuben vsebinski sklop s predmetnega področja, na katerem poučuje.

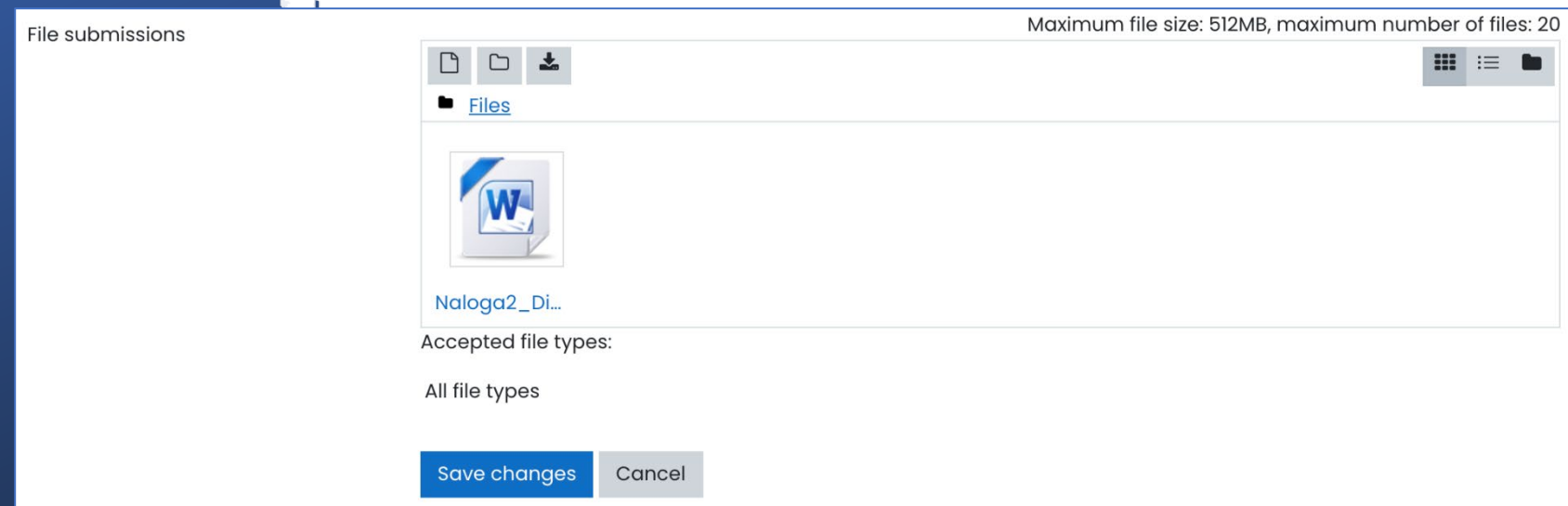
Posodobljena študijska aktivnost naj vsebuje:

- oblikovane cilje s specifičnega predmetnega področja ob uporabi Bloomove taksonomije;
- predvidene aktivnosti študentov, ki bi podprle doseganje cilja;
- naštetu in opisano specifično IKT (glede na namen uporabe v pedagoškem procesu), ki bi bila uporabljena med izvajanjem posodobljene študijske aktivnosti;
- opis kriterijev za izbiro specifične IKT;
- opis in simulacijo rezultatov evalvacije uporabe IKT v pedagoškem procesu (po eni izmed predstavljenih možnosti evalvacije).

V pomoč prilagamo predlogo, ki vam lahko služi kot podlaga za zasnovo posodobljenih študijskih aktivnosti.

Computer Assisted Assessments [example: Moodle Assignment]

- Students can submit their assignments anywhere, and don't have to dart into the university to drop off their assignments at the midnight deadline.



Computer Assisted Assessments [example: Moodle Assignment]

- Quicker feedback than the drawn out ones prepared on paper which depend on the markers returning the scripts in a timely fashion.

The screenshot displays a Moodle assignment interface. At the top, the course information is shown: "Predmet: PPU-3: Formativno spremljanje učnega procesa z ..." and "Naloga: Evropske države (rubrika)". The user is identified as "Tadeja Nemanič" with a role of "Rok: 30 april 2021, 00:00". The interface includes a navigation bar with "Stran 1 od 2" and a toolbar with various editing tools. The main content area contains text about H5P and interactive presentations. On the right, a marking grid is visible with three rows and three columns labeled "Raven 1", "Raven 2", and "Raven 3". The scores for each cell are: Row 1: Raven 1 (0), Raven 2 (1), Raven 3 (2); Row 2: Raven 1 (0), Raven 2 (1), Raven 3 (2); Row 3: Raven 1 (0), Raven 2 (1), Raven 3 (2). The total score is 3 out of 3. At the bottom, there are buttons for "Obvesti udeležence", "Shrani spremembe", "Shrani in pokaži naslednjo", and "Ponastavi".

Computer Assisted Assessments [example: Moodle Assignment]

- Comprehensive tracking of assignment submission by student is provided so there is minimal chance of loss of materials.

Submission status

Attempt number This is attempt 1.

Submission status Submitted for grading

Grading status Graded

Due date Friday, 30 April 2021, 12:00 AM

Time remaining 15 hours 54 mins

Grading criteria

	Raven 1	Raven 2
Navedene glavne značilnosti države	0 points	1 points
Zgodovina države	0 points	1 points
Lega države	0 points	1 points

Rubric options

Sort order for levels: **Ascending by number of points**

- Calculate grade having a minimum score of the minimum achieved
- Allow users to preview rubric (otherwise it will only be displayed during evaluation)
- Display rubric description during evaluation
- Display rubric description to those being graded
- Display points for each level during evaluation
- Display points for each level to those being graded
- Allow grader to add text remarks for each criterion
- Show remarks to those being graded

Last modified Thursday, 29 April 2021, 8:02 AM

File submissions tadeja H5P.docx 29 April 2021, 8:02 AM

Feedback

Grade

	Raven 1	Raven 2	Raven 3
Navedene glavne značilnosti države	0 points	1 points	2 points
Zgodovina države	0 points	1 points	2 points
Lega države	0 points	1 points	2 points

4.00 / 6.00

Graded on Thursday, 29 April 2021, 8:04 AM

Graded by Tadeja Nemanič

Computer Assisted Assessments [example: Moodle Assignment]

- This approach is good for the environment as it is a paperless process.

Select	User picture	First name / Surname	Institution	Status	Grade	Edit	Last modified (submission)	File submissions	Submission comments	Online text	Last modified (grade)	Feedback comments	Annotate PDF	Feedback files	Final grade
<input type="checkbox"/>				No submission	Grade	Edit	-				-				-
<input type="checkbox"/>		Tadeja Nemanič		No submission	Grade	Edit	-		▶ Comments (0)	🔍	-				-
<input type="checkbox"/>		Tadeja Nemanič		Submitted for grading Graded	Grade	Edit	Thursday, 29 April 2021, 8:02 AM	tadeja H5P.docx 29 April 2021, 8:02 AM	▶ Comments (0)	🔍	Thursday, 29 April 2021, 8:04 AM				4.00 / 6.00

Issues we need to consider

The following issues need to be dealt within an online examination environment:

- Security: Test on concepts rather than regurgitating materials.
- Interactivity: Live tests are preferred to online ones.
- Equity: For random questions; it is important that they are all at a similar level.
- Hands-on labs: Physical demonstrations of working with lab software/equipment is preferred and this may be dealt with by using screen capturing software.
- Teamwork assessment: Working in teams should be assessed as this is a key activity of engineers and scientists.

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Thank you for attention!

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