

## COURSE EVALUATION REPORT

Type	Evaluation of implemented SWARM course
Institution	University of Novi Sad, Faculty of Technical Sciences
Course title	Fundamentals in hydrotechnics, hydromechanics and geotechnics
ECTS	6
Reporting date	20 January 2022
Report author(s)	Maja Petrović, Igor Peško, Srđan Kovačević, Slobodan Kolaković

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University of Nis



Strengthening of master curricula in water resources management  
for the Western Balkans HEIs and stakeholders

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## SWARM COURSE DESCRIPTION

### with special reference to learning outcomes

**Course description:**

Introducing students with Fundamentals of hydrology and hydrometry. Physical and chemical properties of liquids. Hydrostatics, piezometer, manometer, absolute, atmospheric, and hydrostatic pressure. Forces pressure on flat and complex surfaces, pressure of liquids on masonry pipes and tanks. Hydrokinematics, flow velocity, flow, continuity equation, steady flow equation for ideal and real fluids. Application of Bernoulli's equation to concrete examples. Flow in pipelines, line, and local losses of mechanical energy. Steady flow in conductors with free surface. Uniform flow with a free surface, Shezi-Manning equation, forms of flow "calm", "turbulent" and "critical" regime. Uneven flow with free surface, transient modes. Short objects, overflows, highlights, and bridge narrowing. Basic settings of groundwater flow, under pressure with free surface, Darcy's equation for velocities.

Objectives: Enabling students from fundamental areas to acquire professional titles and apply in practice.

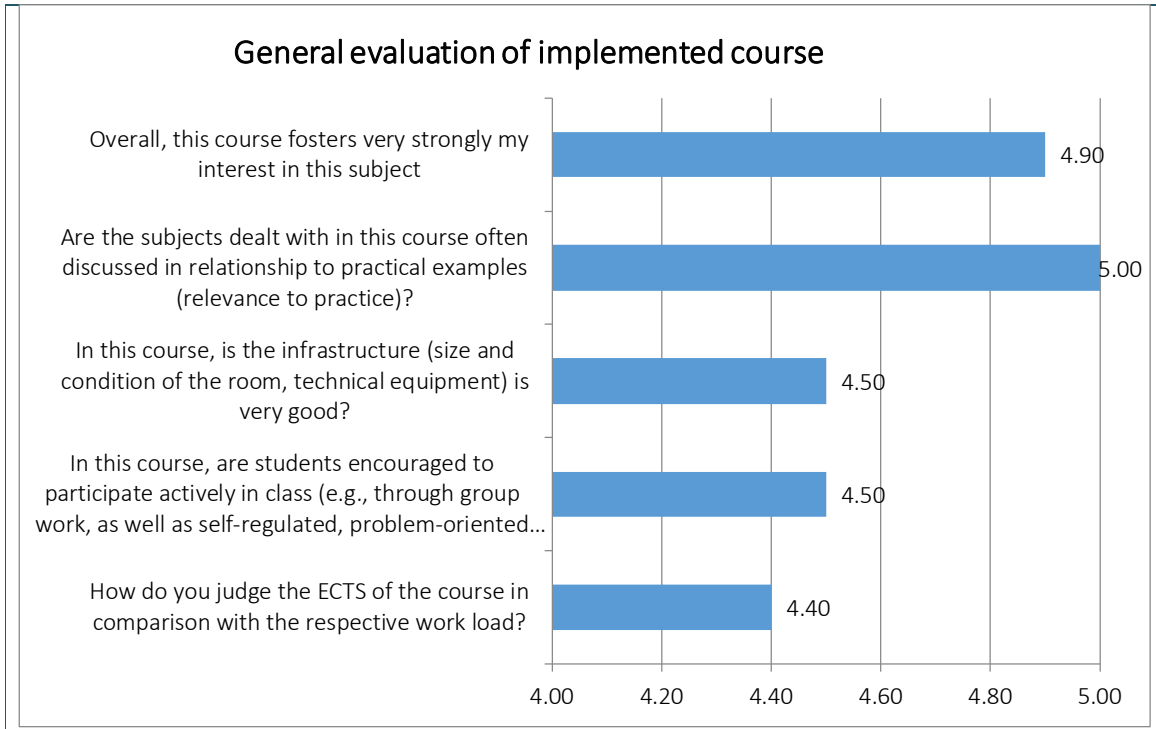
### Problems encountered during the realization of course

Please add your comments, if any: -

## Evaluation details

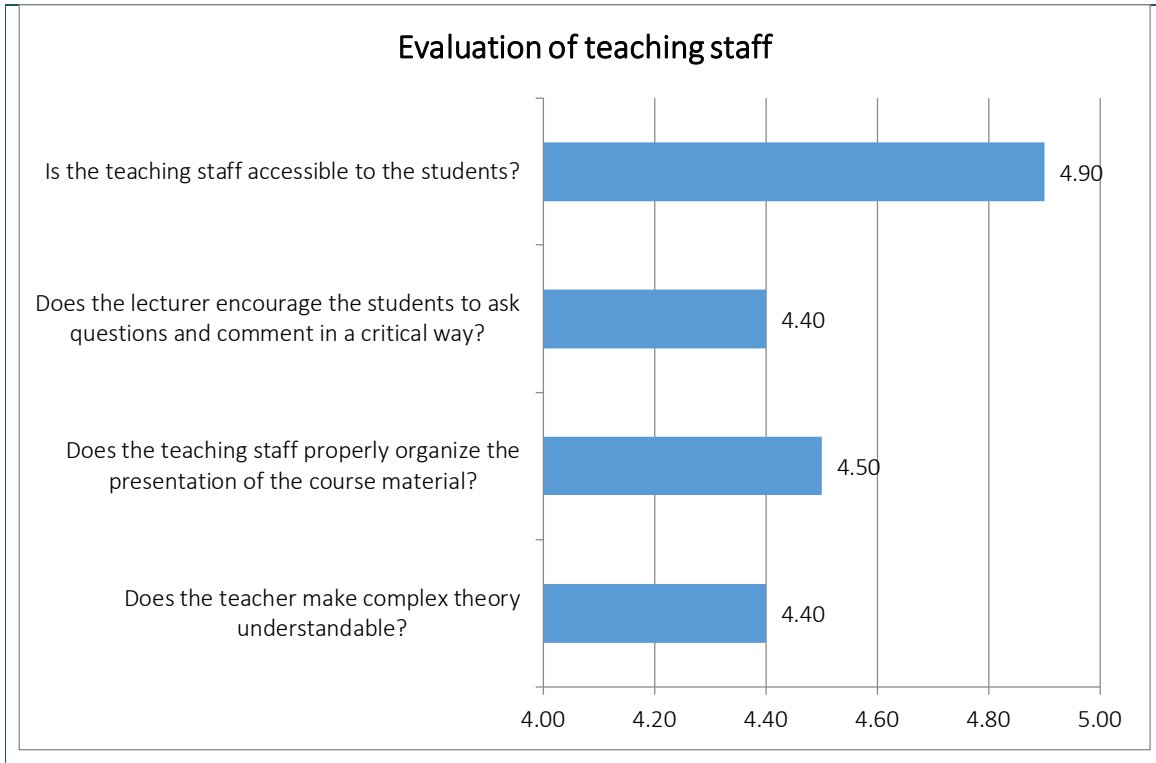
### Results of general evaluation of implemented course

Description					
Students graduated implemented course as strongly agree or agree with average marks from 4.40 to 5.00. The average mark for the whole implemented course is 4.66.					
Table/Figure					
<b>General evaluation of implemented course</b>					
Grading	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
How do you judge the ECTS of the course in comparison with the respective work load?	50,0	40,0	10,0	0,0	0,0
In this course, are students encouraged to participate actively in class (e.g., through group work, as well as self-regulated, problem-oriented learning)?	60,0	30,0	10,0	0,0	0,0
In this course, is the infrastructure (size and condition of the room, technical equipment) is very good?	60,0	30,0	10,0	0,0	0,0
Are the subjects dealt with in this course often discussed in relationship to practical examples (relevance to practice)?	100,0	0,0	0,0	0,0	0,0
Overall, this course fosters very strongly my interest in this subject	90,0	10,0	0,0	0,0	0,0



### Results of evaluation of teaching staff

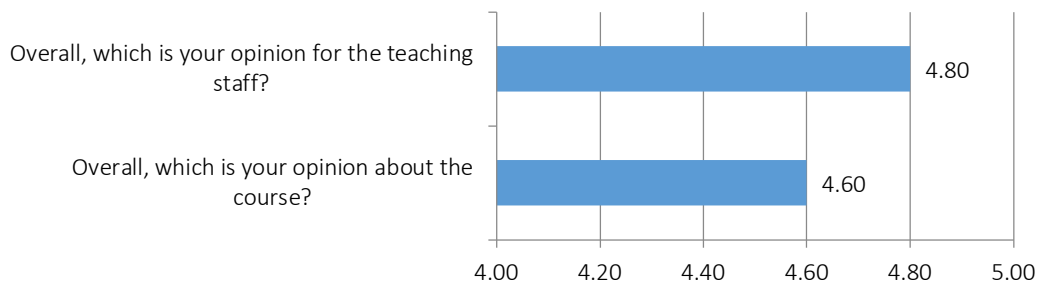
Description						
Students grading teaching staff with average marks from 4.40 to 4.90. The average mark for the teaching staff is 4.55.						
Table/Figure						
Evaluation of teaching staff						
Grading	No	Slightly	Moderate	Yes	Very much	I do not know/ I don't answer
Does the teacher make complex theory understandable?	0,0	0,0	20,0	20,0	60,0	0,0
Does the teaching staff properly organize the presentation of the course material?	0,0	0,0	0,0	50,0	50,0	0,0
Does the lecturer encourage the students to ask questions and comment in a critical way?	0,0	0,0	10,0	40,0	50,0	0,0
Is the teaching staff accessible to the students?	0,0	0,0	0,0	10,0	90,0	0,0



### Results of evaluation of summarized questions

Description						
Overall opinion of the course and teaching staff has the average mark were 4.60 and 4.80, respectively.						
Table/Figure						
Evaluation of summarized questions						
Grading	Bad	Not good	Moderate	Good	Very good	I do not know/ I don't answer
Overall, which is your opinion about the course?	0,0	0,0	0,0	40,0	60,0	0,0
Overall, which is your opinion for the teaching staff?	0,0	0,0	0,0	20,0	80,0	0,0

### Evaluation of summarized questions



#### Additional comments

What I especially like about the course?

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What could be improved in the course?

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Comments regarding the questions/the evaluation

Please add your comments, if any:

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Please indicate your suggestions for further improvement:

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