COURSE EVALUATION REPORT

Type	Evaluation of implemented SWARM course
Institution	University of Montenegro, Faculty of Civil Engineering
Course title	Engineering Hydraulics
ECTS	5
Reporting date	19.03.2022.
Report author(s)	Ivana Ćipranić

University of Nis

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

SWARM COURSE DESCRIPTION

with special reference to learning outcomes

Course description:
An introduction to hydraulic engineering and fluid mechanics. Description and properties of fluids: hydrostatics; buoyancy and stability; laws of inviscid flow; continuity, energy and momentum equations; dimensional analysis and model theory; steady uniform and non-uniform flow of liquids and gases in closed conduits; flow of real fluids; friction in open and closed conduits, Moody diagram; laminar flow; types of turbulent flow; viscous sublayer; flow measurement in pipes and open channels; steady uniform flow in open channels, hydraulic jumps. Uniform and non-uniform flow in open channels, super and subcritical flows; hydraulic structures and dissipator design; flow measurement techniques; computation of water surface profiles in open channel flow. On successful completion of this course students will be able to: solve problems related to hydrostatics and dimensional analysis, apply the underlying governing equations for behaviour of flows and pressures in pipe systems and open channels, analyse, design and optimise pipe systems and open channels, to prepare engineering drawings of pipe systems and open channels.

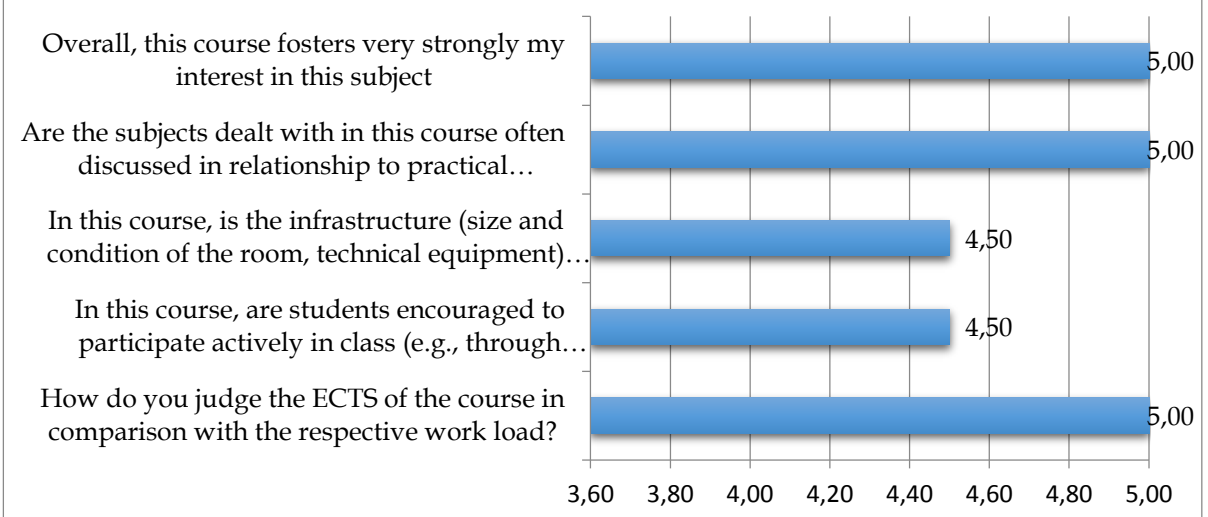## Problems encountered during the realization of course

Please add your comments, if any:

Evaluation details

Results of general evaluation of implemented course

Description
Table/Figure

General evaluation of implemented course

Grading	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
How do you judge the ECTS of the course in comparison with the respective work load?	0,0	0,0	0,0	0,0	100,0
In this course, are students encouraged to participate actively in class (e.g., through group work, as well as self-regulated, problem-oriented learning)?	0,0	0,0	0,0	50,0	50,0
In this course, is the infrastructure (size and condition of the room, technical equipment) is very good?	0,0	0,0	0,0	50,0	50,0
Are the subjects dealt with in this course often discussed in relationship to practical examples (relevance to practice)?	0,0	0,0	0,0	0,0	100,0
Overall, this course fosters very strongly my interest in this subject	0,0	0,0	0,0	0,0	100,0

## General evaluation of implemented course

Overall, this course fosters very strongly my interest in this subject — 5,00

Are the subjects dealt with in this course often discussed in relationship to practical… — 5,00

In this course, is the infrastructure (size and condition of the room, technical equipment)… — 4,50

In this course, are students encouraged to participate actively in class (e.g., through… — 4,50

How do you judge the ECTS of the course in comparison with the respective work load? — 5,00

3,60 3,80 4,00 4,20 4,40 4,60 4,80 5,00

Results of evaluation of teaching staff
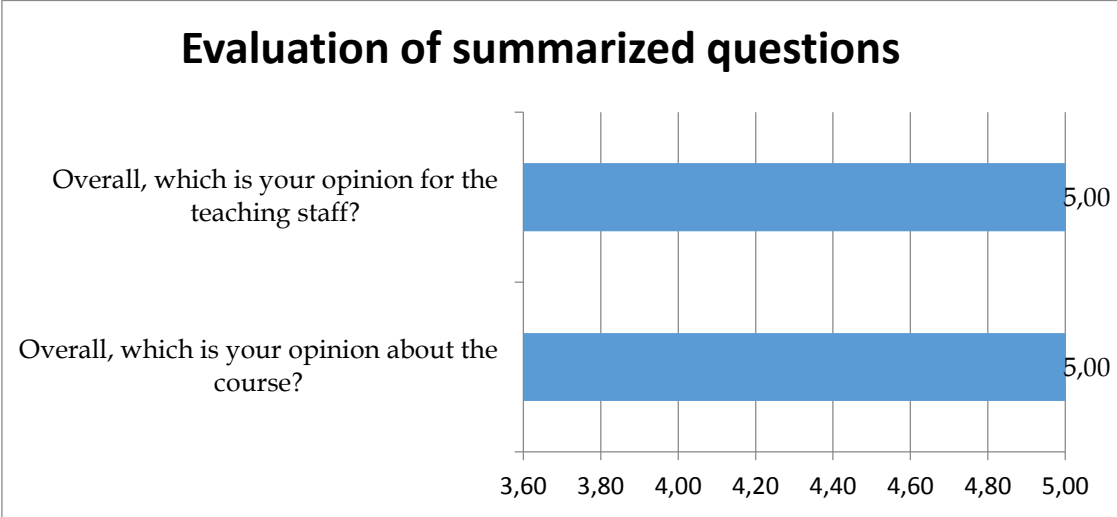
Description

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	0,0	0,0	100,0	0,0
Does the teaching staff properly organize the presentation of the course material?	0,0	0,0	0,0	100,0	0,0	0,0
Does the lecturer encourage the students to ask questions and comment in a critical way?	0,0	0,0	0,0	50,0	50,0	0,0
Is the teaching staff accessible to the students?	0,0	0,0	0,0	0,0	100,0	0,0

Evaluation of teaching staff

Is the teaching staff accessible to the students?	5,00
Does the lecturer encourage the students to ask questions and comment in a critical way?	4,50
Does the teaching staff properly organize the presentation of the course material?	4,00
Does the teacher make complex theory understandable?	5,00

3,40 3,60 3,80 4,00 4,20 4,40 4,60 4,80 5,00
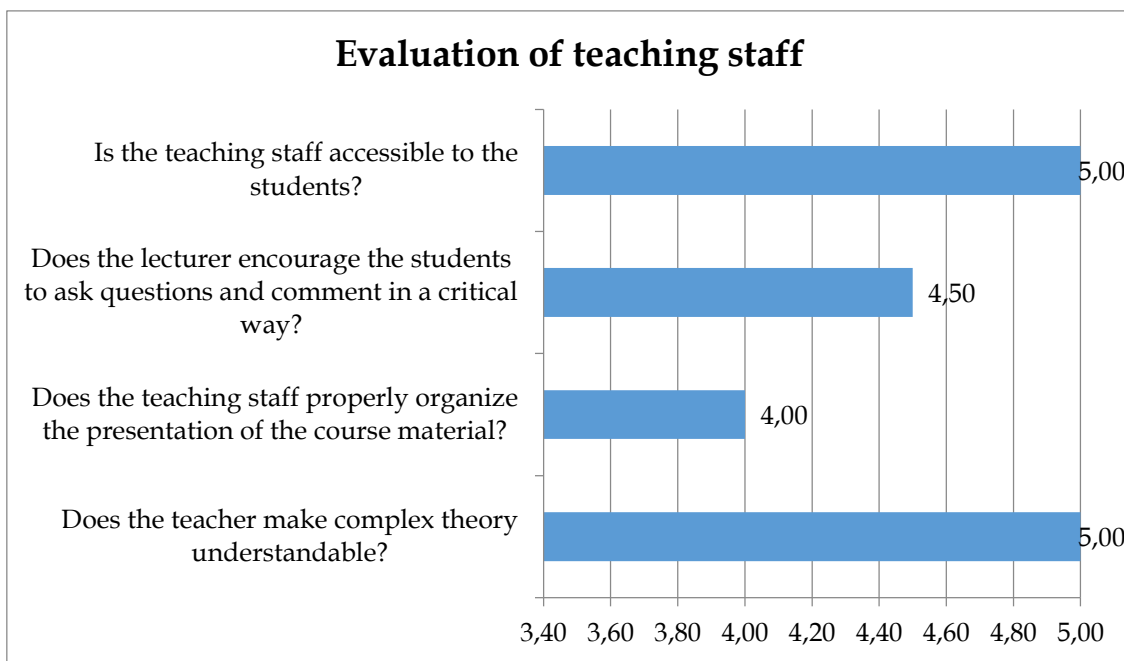
Results of evaluation of summarized questions

Description

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	0,0	100,0	0,0
Overall, which is your opinion for the teaching staff?	0,0	0,0	0,0	0,0	100,0	0,0

Evaluation of summarized questions

Overall, which is your opinion for the teaching staff? — 5,00

Overall, which is your opinion about the course? — 5,00

3,60 3,80 4,00 4,20 4,40 4,60 4,80 5,00

Additional comments

What I especially like about the course?

Please add your comments, if any:

What could be improved in the course?

Please add your comments, if any:

Comments regarding the questions/the evaluation

Please add your comments, if any:

Please indicate your suggestions for further improvement:

No further sugestions.