COURSE EVALUATION REPORT

Type	Evaluation of implemented SWARM course
Institution	University of Novi Sad, Faculty of Technical Sciences
Course title	Environmental Practicum
ECTS	7
Reporting date	20 January 2022
Report author(s)	Maja Petrović, Igor Peško, Srđan Kovačević, Slobodan Kolaković

SWARM COURSE DESCRIPTION

with special reference to learning outcomes

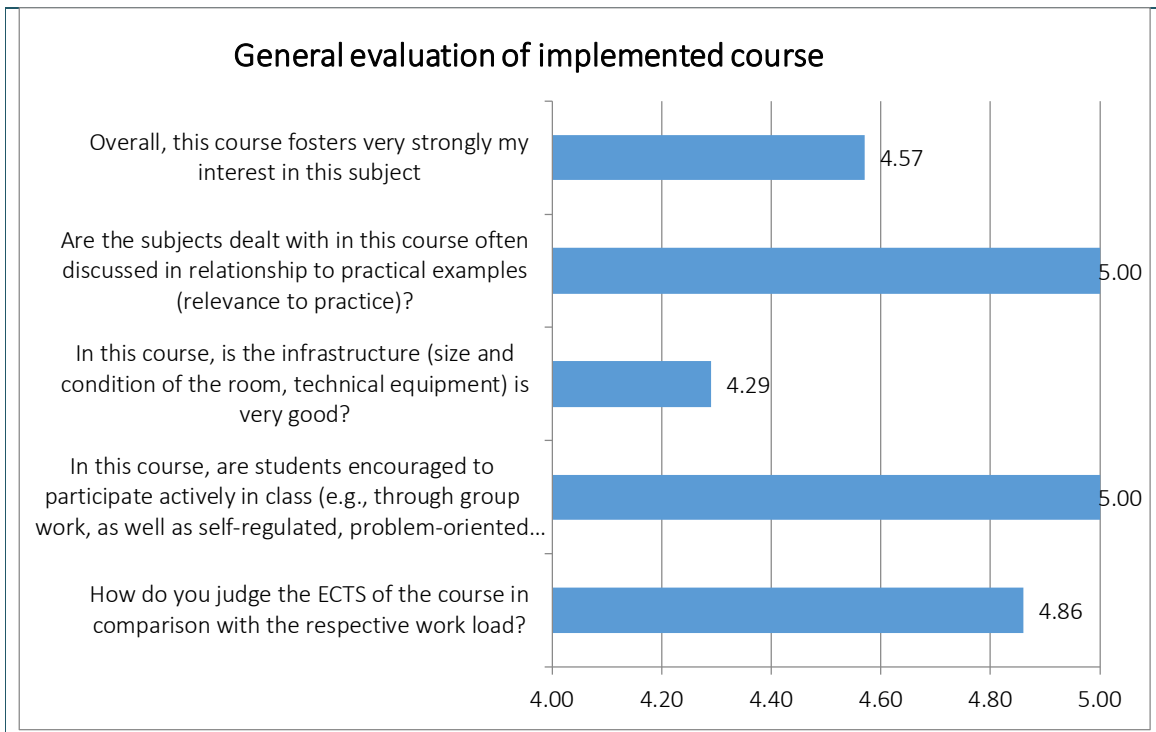| Course description: |
|---|
| Introducing students with Wastewater parameters. Wastewater. Sedimentation. Coagulation. Flotation. Filtration. Aeration. Degassing. Disinfection. Membrane processes. Adsorption mechanisms and application in wastewater treatment. Adsorption in the layer. Biological wastewater treatment. Sludges. Sludge thickening methods. Sludge conditioning. Sludge dehydration. Sludge stabilization methods. Waste gases. Gas-gas separation. Gas-solid separation. Students take the subject project by making simulations of wastewater and sludge treatment processes, as well as air purification processes in adequate available software, using previously acquired knowledge about process operations used for this purpose. Objectives: - Introducing students to the basic parameters of waste streams; - Acquiring knowledge of technologies used in the treatment of wastewater, sludge and gases; - Enabling students to use software packages to simulate and optimize the process of processing waste streams. |

Problems encountered during the realization of course
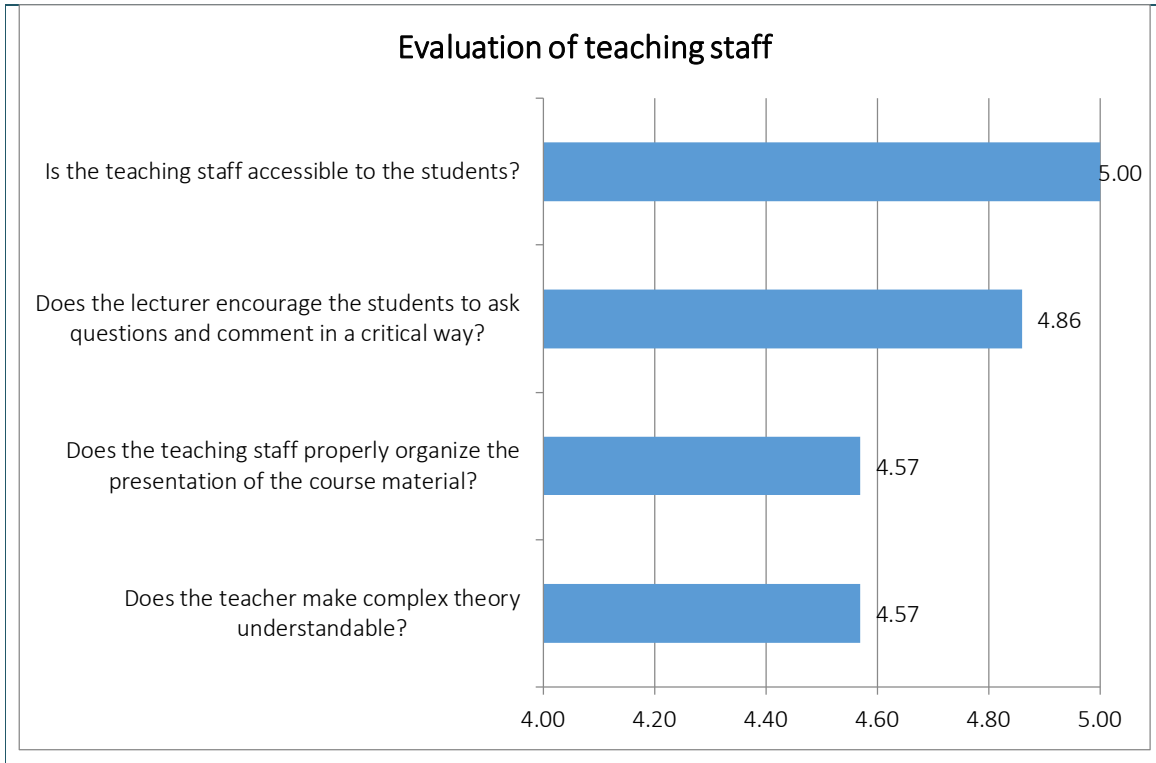
Please add your comments, if any: -

Evaluation details

Results of general evaluation of implemented course

Description
Students graduated implemented course as strongly agree or agree with average marks from 4.29 to 5.00. The average mark for the whole implemented course is 4.74.

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?	85,7	14,3	0,0	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)?	100,0	0,0	0,0	0,0	0,0
In this course, is the infrastructure (size and condition of the room, technical equipment) is very good?	28,6	71,4	0,0	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	57,1	42,9	0,0	0,0	0,0

General evaluation of implemented course

Overall, this course fosters very strongly my interest in this subject — 4.57

Are the subjects dealt with in this course often discussed in relationship to practical examples (relevance to practice)? — 5.00

In this course, is the infrastructure (size and condition of the room, technical equipment) is very good? — 4.29

In this course, are students encouraged to participate actively in class (e.g., through group work, as well as self-regulated, problem-oriented… — 5.00

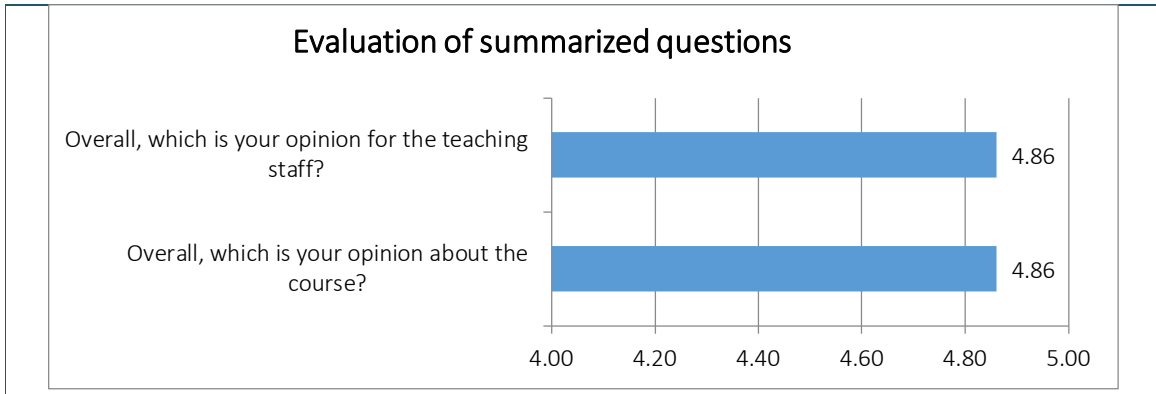How do you judge the ECTS of the course in comparison with the respective work load? — 4.86

Results of evaluation of teaching staff

Description
Students grading teaching staff with average marks from 4.57 to 5.00. The average mark for the teaching staff is 4.75.

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	42,9	57,1	0,0
Does the teaching staff properly organize the presentation of the course material?	0,0	0,0	0,0	42,9	57,1	0,0
Does the lecturer encourage the students to ask questions and comment in a critical way?	0,0	0,0	0,0	14,3	85,7	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

Question	Score
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?	4.86
Does the teaching staff properly organize the presentation of the course material?	4.57
Does the teacher make complex theory understandable?	4.57

Results of evaluation of summarized questions

Description
Overall opinion of the course and teaching staff has the avearge mark were 4.86.

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	14,3	85,7	0,0
Overall, which is your opinion for the teaching staff?	0,0	0,0	0,0	14,3	85,7	0,0

Evaluation of summarized questions

Overall, which is your opinion for the teaching staff?   4.86

Overall, which is your opinion about the course?   4.86

| 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:

Active participation in classes and exercises.

Practical examples during the realization of exercises.

Active participation of students in classes and good interaction with students.

Practical examples and good interaction of professor and assistant with students.

What could be improved in the course?

Please add your comments, if any:

Use of novel software and class infrastructure.

Less theory and more practical examples. Better infrastructure for course realization. Use of novel software.

Using more realistic and practical examples when using software models.

Comments regarding the questions/the evaluation

Please add your comments, if any:

Please indicate your suggestions for further improvement:

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