COURSE EVALUATION REPORT

Type	Evaluation of implemented SWARM course
Institution	University of Nis, Faculty of Civil Engineering and Architecture
Course title	Hydrological Risks Management (HRM)
ECTS	4
Reporting date	20 January 2022
Report author(s)	Milan Gocić, Slaviša Trajković, Mladen Milanović

SWARM COURSE DESCRIPTION

with special reference to learning outcomes

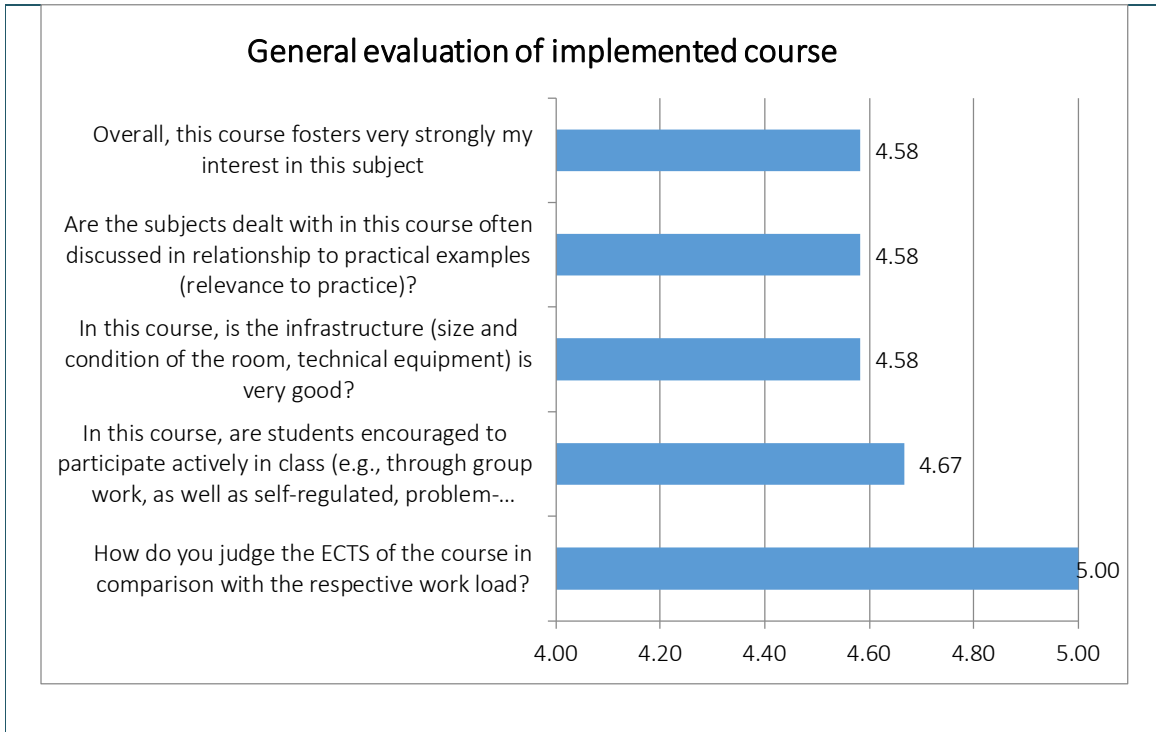| Course description: |
|---|
| Introducing students to the main hydrological hazards (floods with external and internal waters and droughts) and the consequent risks. The aim of the course is to provide students with an overview of the main approaches to hydrological risk assessment and the main modelling techniques for its quantification.

The student is able to develop and lead projects of less complexity in the field of hydraulic engineering or water management using GIS software.

Theoretical classes
Introduction to hydrology and flood risk; Main processes of the hydrological cycle; River runoff modelling; Definition of large waters and floods; Statistical methods for describing extreme events; Intensity-duration-return period curves; Flood risk models; Vulnerability assessment models; 1D and 2D hydraulic models; Simplified geo-morphological models; Structural and non-structural flood defence measures; Sensitivity assessment models; Exposure models; Flood generation; Flood risk analysis; Definition of drought; General principles of models and modelling for drought risk assessment.

Practical classes: Exercises
Case study in the field of flood or drought risk management. Analysis of all aspects of hydrological risk. Presentations on specific applications: assessment of the consequences of failure in defence, reduction of exposure models, calculation of damage to buildings due to floods, models of assessment of drought on large areas, simple tools for assessing the distribution of extreme events. |

Problems encountered during the realization of course

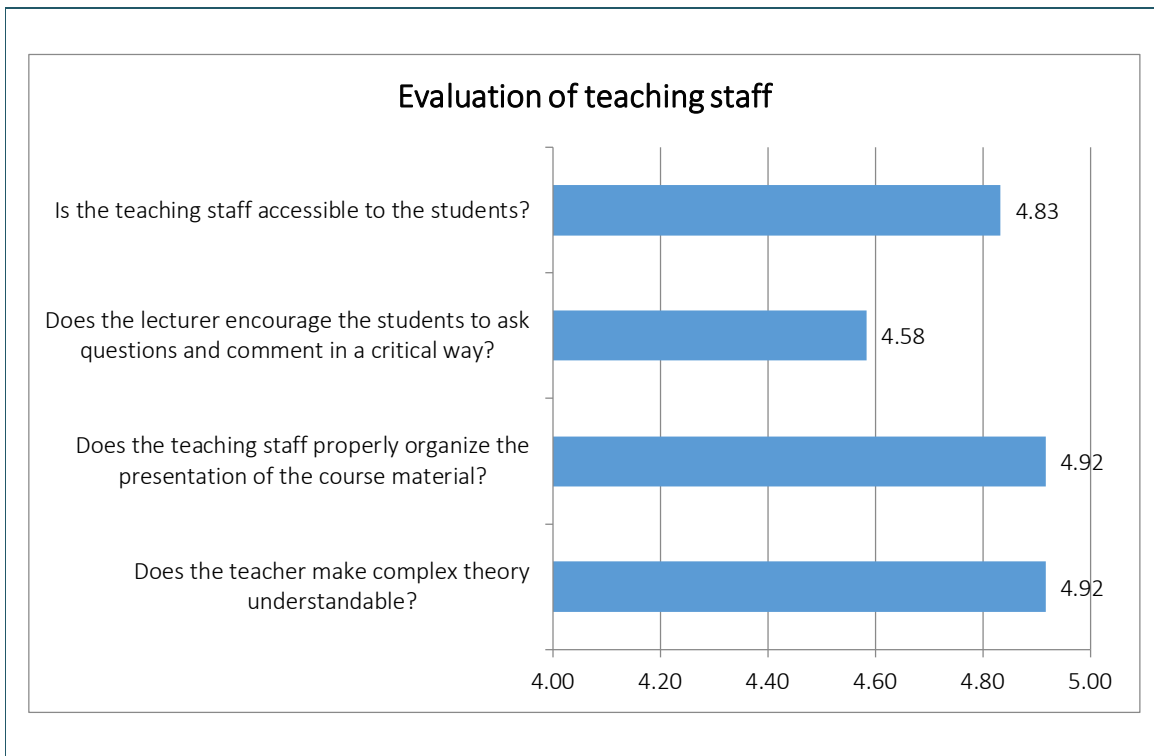| Please add your comments, if any: |
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Evaluation details

Results of general evaluation of implemented course

Description
Students graduated implemented course as strongly agree or agree with average marks from 4.58 to 5.00. It should be highlighted that the ECTS of the course in comparison with the respective work load has the greates mark i.e. 5.00. The average mark for the whole implemented course is 4.68.

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?	100.0	0.0	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)?	66.7	33.3	0.0	0.0	0.0
In this course, is the infrastructure (size and condition of the room, technical equipment) is very good?	58.3	41.7	0.0	0.0	0.0
Are the subjects dealt with in this course often discussed in relationship to practical examples (relevance to practice)?	58.3	41.7	0.0	0.0	0.0
Overall, this course fosters very strongly my interest in this subject	58.3	41.7	0.0	0.0	0.0

General evaluation of implemented course

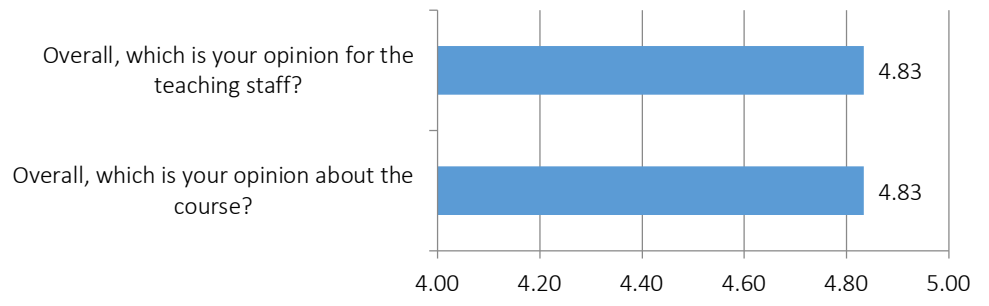| Question	Value
Overall, this course fosters very strongly my interest in this subject	4.58
Are the subjects dealt with in this course often discussed in relationship to practical examples (relevance to practice)?	4.58
In this course, is the infrastructure (size and condition of the room, technical equipment) is very good?	4.58
In this course, are students encouraged to participate actively in class (e.g., through group work, as well as self-regulated, problem-…	4.67
How do you judge the ECTS of the course in comparison with the respective work load?	5.00

Results of evaluation of teaching staff

Description
Students grading teaching staff with average marks from 4.58 to 4.92. Two answers have the mark 4.92. The average mark for the teaching staff is 4.81.

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	8.3	91.7	0.0
Does the teaching staff properly organize the presentation of the course material?	0.0	0.0	0.0	8.3	91.7	0.0
Does the lecturer encourage the students to ask questions and comment in a critical way?	0.0	0.0	0.0	41.7	58.3	0.0
Is the teaching staff accessible to the students?	0.0	0.0	0.0	16.7	83.3	0.0

Evaluation of teaching staff

Question	Score
Is the teaching staff accessible to the students?	4.83
Does the lecturer encourage the students to ask questions and comment in a critical way?	4.58
Does the teaching staff properly organize the presentation of the course material?	4.92
Does the teacher make complex theory understandable?	4.92

(Scale: 4.00 – 5.00)

Results of evaluation of summarized questions

Description
Overall opinion of the course and teaching staff has the same mark i.e. 4.83.

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	16.7	83.3	0.0
Overall, which is your opinion for the teaching staff?	0.0	0.0	0.0	16.7	83.3	0.0

Evaluation of summarized questions

Overall, which is your opinion for the teaching staff?	4.83
Overall, which is your opinion about the course?	4.83

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:

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