



Date: 27.06.2019

Place: AGGF

Classroom: 3a

Knowledge FOR Resilient soCiEty

*Evaluation Methodology on implemented MPs
at UBL*

**CONSORTIUM MEETING, STEERING COMMITTEE MEETING
& WB BOARD MEETING**

University of Banja Luka



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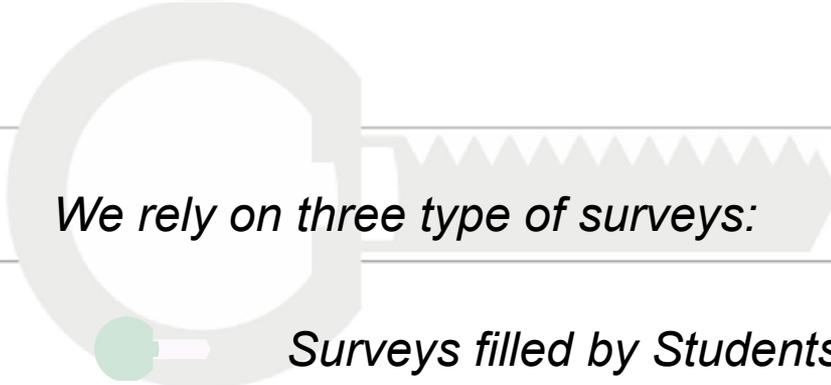
In order to improve teaching process and be in step with time, Faculty of Architecture Civil Engineering and Geodesy has a constant evaluation - Selfevaluation of applied methodology of studying.

*One of the most important aspects of evaluation is **Studying Survey** based on which, statistically looking we act on correcting certain parts of course or entire Studying program or process.*



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We rely on three type of surveys:

Surveys filled by Students (for I and II cycle)

Surveys filled by Graduated Students (for I and II cycle)

Surveys filled by Legal subjects – companies (for I and II cycle)

Surveys filled by students and most common and important mean of evaluation of Teaching professors and their assistants.

Through these surveys we constatly try to improve our teachers and their metodology of teaching to adjust to the students and their needs, because of the fast changing system of studing, especially regarding the technological advancess.



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*Students are obligated to fill the survey at the beginning of the semester for the courses he attended in the previous semester. In a survey he answers series of targeted questions to point out what needs to improved and what is good in the subject, teacher and the methodology applied, grading the answer from **1- worst** to **5-excellent**.*

*If teachers grade are below **2.5**, than a **serious changes need to be implemented**, and we should consider the correction of teaching approach as the content of the subject.*

When the statistics for the specific teacher and are ready every teacher gets his results in the form:



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University of Banja luka
Faculty of Architecture Civil Engineering and Geodesy

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school year: 2017/18, semester: I - fall

Survey fall semester 17/18

Study Program : Constructions Module

Name and code of subject: -----

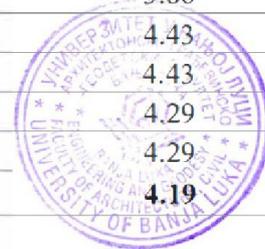
Type : -----

Teacher being evaluated: -----

Number of students who participated in teacher evaluation on this subject: 20

Total number of students obligated on this subject: 24

No	Claim	Average grade
01.	The teacher kept the teaching regularly and accurately according to the schedule.	4.29
02.	The teacher's lectures for lecturing were appropriate	4.43
03.	The teacher kept the teaching regularly and accurately according to the schedule	3.86
04.	Teacher's preparation for lecturing is appropriate	4.00
05.	The teacher is teaching in a clear, understandable and interesting way	4.43
06.	Full matching between lectures and exercises	3.86
07.	The teacher encourages students to participate actively in teaching	3.86
08.	The teacher correctly applies to students	4.43
09.	Teaching is covered by available literature	4.43
10.	The teacher is also available for consultation with students	4.29
11.	The teacher has good communication skills and creates a pleasant working atmosphere	4.29
Total average rating:		4.19





Surveys filled by Graduated Students are also a very good marker for improving. Students who graduated from I or II cycle studies are surveyed for the Entire Study program.

One difficulty is that this survey is optional and based on the good will of the students and some times the number of surveyed student isn't enough to form an accurate statistical picture of what "needs to be done" for improvement.

In this survey opposite to the students survey there are a number of suggestions that students can answer or suggest in a free form. From these answers we get a lot of good ideas how we can be better in various ways, and we can attend to students needs more in details.



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Since majority of these students, when surveyed are already working in companies they are asked to try assess their acquired competencies and abilities and how they can apply them directly in their working place.

This is the most important part of this survey and it has most influence on changes that happen in study program.

At the end we get results in form of statistical report:



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4. Detailed evaluation of acquired abilities

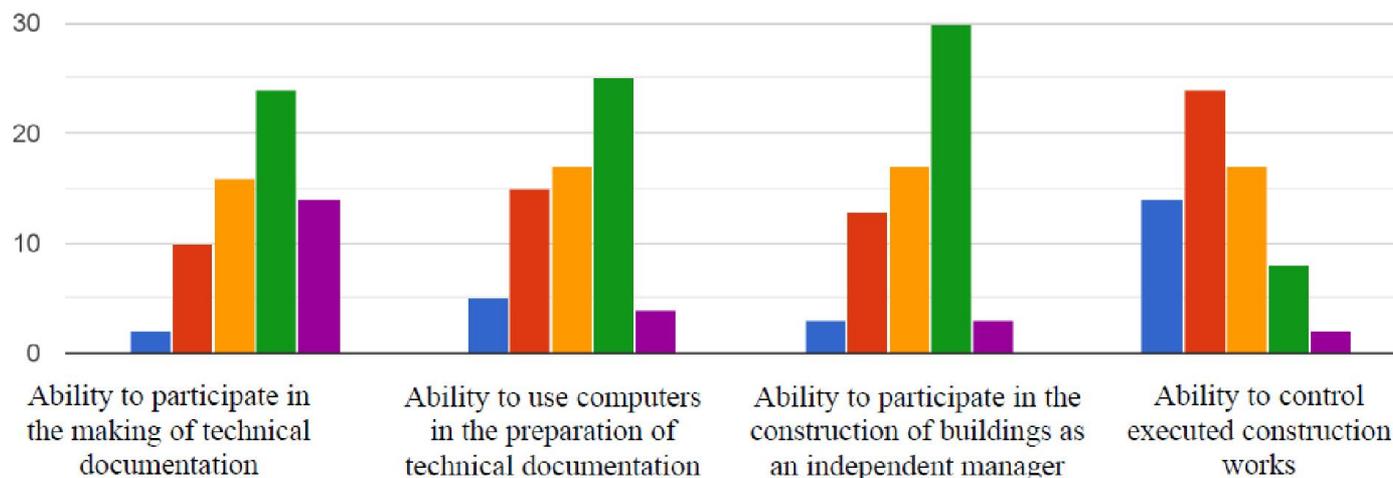
Comment:

Grades are formed from 1(not acquired) to 5 (fully acquired). We had 66 answers. Colors in charts have following meaning.:



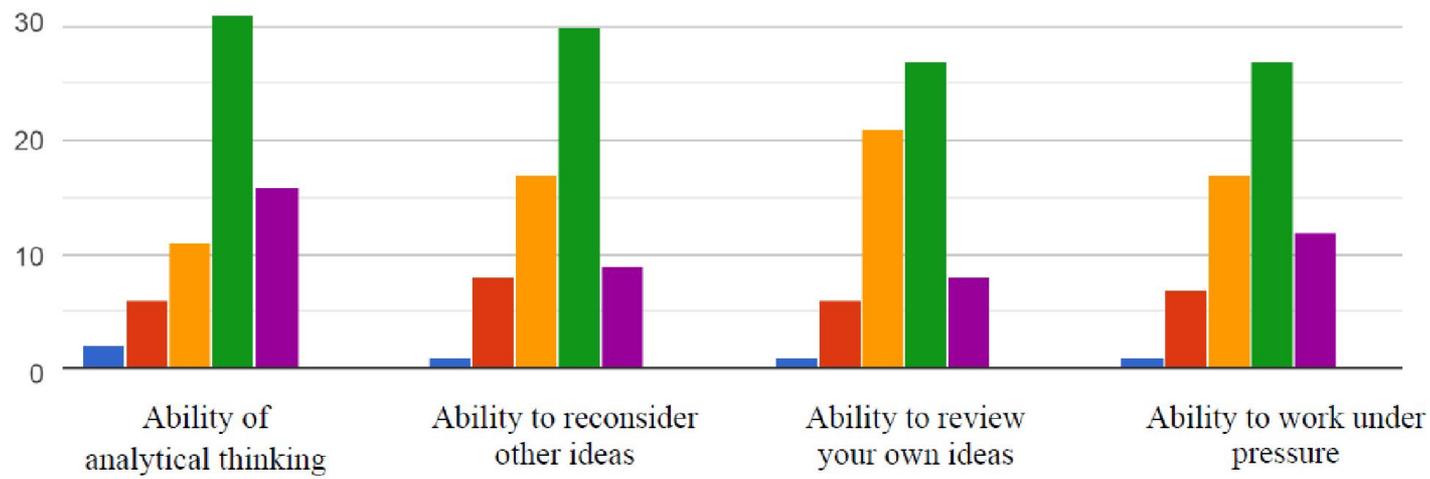
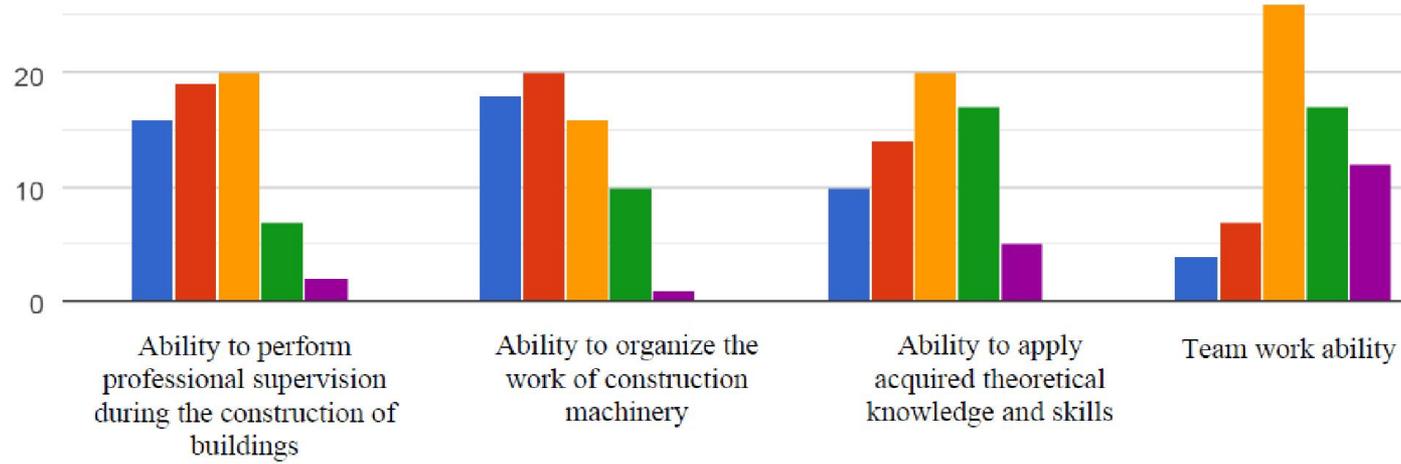
Highly graded: Ability of analytical thinking, ability to reconsider other ideas.

Low graded: Ability to control executed construction works, ability to perform professional supervision during the construction of buildings



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Surveys filled by Legal subjects – companies tell us what is the situation on the labor market. Also this survey is free will based and some times in can be very good marker what types of Engineer we want to produce and also if there is a need to change something in the study program.

Sometimes some specific education in needed form some wanted jobs and we can get feedback from these surveys in which direction to specialize students.

But we need to be very careful for it can be also very misleading depending of the variety of types of companies we have surveyed.

In the following survey we got answers from companies who were in the business of project designing, building objects, hydrotechnical works, public companies....



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Results

The survey answered 14 companies. Below are all questions and answers with graphic representations and comments, with the remark that most of the questions were optional, and a variety of respondents answered certain questions.

1. Basic data about subjects

1.1 Name

Comment:

The respondents gave free answers to this question. Respondents come from the following legal entities:

GP Vranica, Ibis-inženjering, Mrkonjićputevi, Arting invest, Prijedorputevi, JU IUGERS, GP Krajina, Urbis centar, Hidro-kop, Ars inženjering, Ruting, Institut IG, Istraživački centar za prostor. We got 14 answers

1.2 Position in company

Comment:

The respondents gave free answers to this question. The most important are the directors and chief engineers. 14 replies were received.



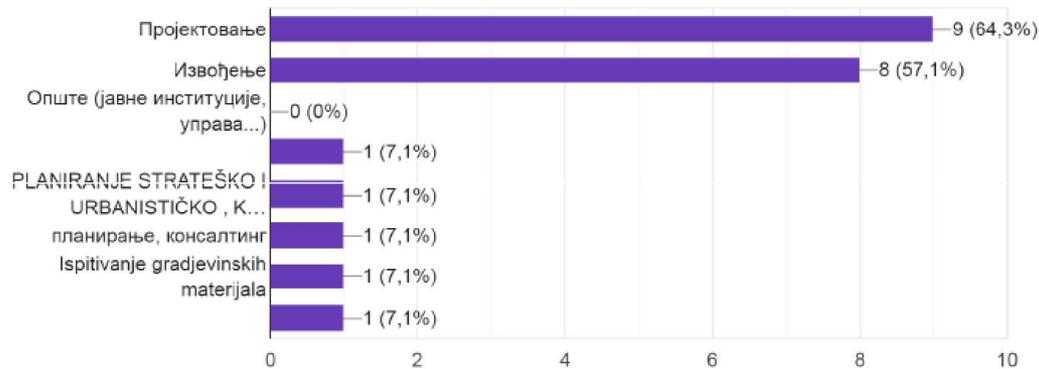
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1.3 Type of activity of the legal entity

Comment:

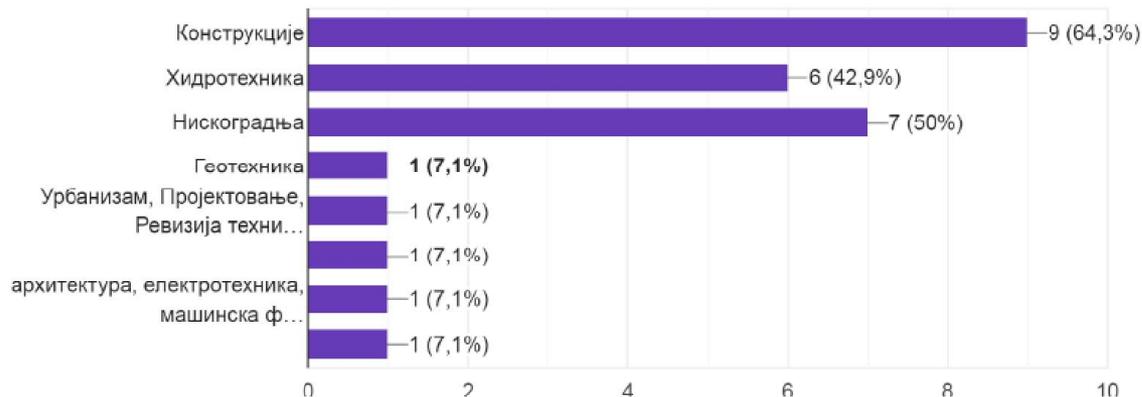
Most of the respondents engaged in design and construction. 14 replies were received.



1.4 Activities dealt with by a legal entity

Comment:

Most of the respondents are engaged in construction, hydrotechnics and civil engineering. 14 replies were received.



1.5 The type of objects that is predominantly represented in your business

Comment:

The respondents gave free answers to this question. The most frequent type of objects in the respondents are multi-storey residential-business buildings. There are also hydraulic structures, roads, industrial buildings, antenna pillars, etc. 14 replies were received.

After general questions, the main part of the questionnaire consisted of the following two parts:

2. The level of competencies relevant to your business, which were trained by graduates of civil engineering

The text read as follows:

Please evaluate the average level of competencies relevant to your business, which were trained by graduates of civil engineering (who graduated from AGGF) when they were working with you.

(1 - absolutely not competent, 2 - he had the minimum necessary competences, 3 - he possessed satisfactory competences, 4 - he had very good competences, 5 - he was fully competent)

3. The level of competencies relevant to your business, which should be possessed by graduated civil engineers

The text read as follows:

Please evaluate the average level of competencies relevant to your business, which should be possessed by graduated civil engineers working with you.

(1 - absolutely no competence required, 2 - minimal level of competence is required, 3 - satisfactory competences are needed, 4 - very good competences are needed, 5 - full competences are needed)

Therefore, the respondents were first asked to evaluate the average level of competences relevant to their activity, **which had trainees ("overtaken")** graduated civil engineers (who graduated from AGGF) when they were employed in their company.

Afterwards, respondents were asked to evaluate the average level of competences relevant to their activity, **which they need ("required")** trainees are civil engineers employed in their company.

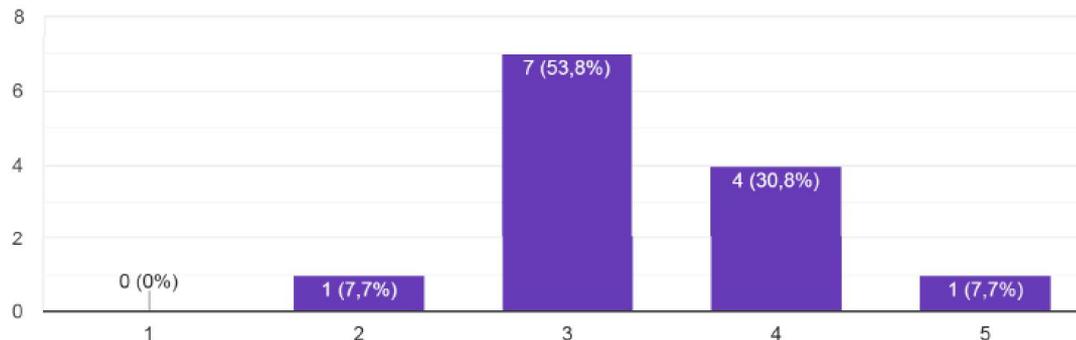
Responses are offered for the basic areas of expertise needed by construction engineers, separately for theoretical and practical competencies. Below are the results, and so the **"overtaken"** and **"required" competencies** are listed at the bottom of each other, for the sake of transparency and comparability.¹

Concrete structures - theoretical competences

Бетонске конструкције - теоријске компетенције

13 одговора

overtaken

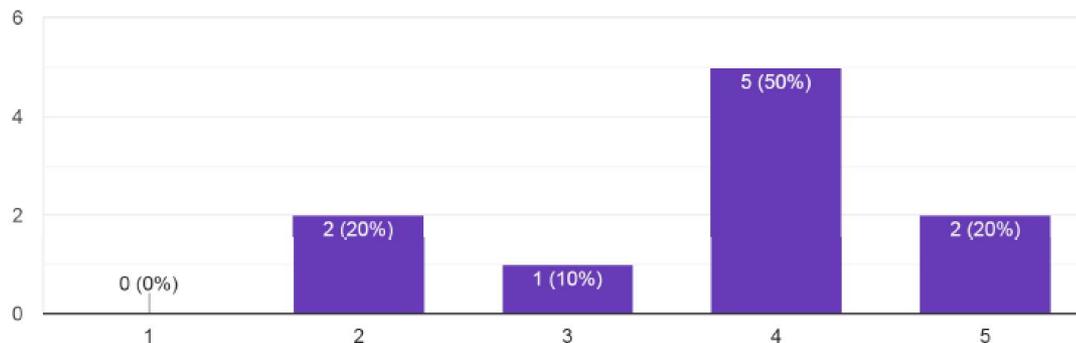


Concrete structures - theoretical competences

Бетонске конструкције - теоријске компетенције

10 одговора

required



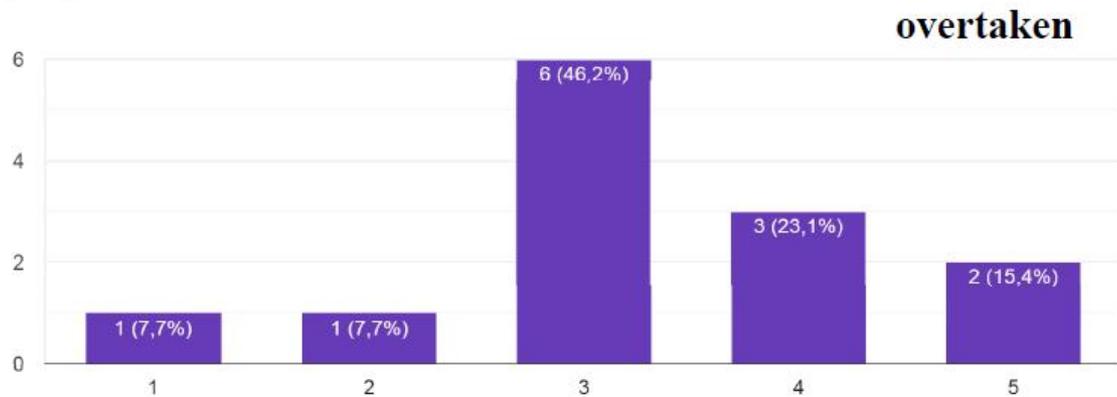
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Concrete structures - practical competences

Бетонске конструкције - практичне компетенције

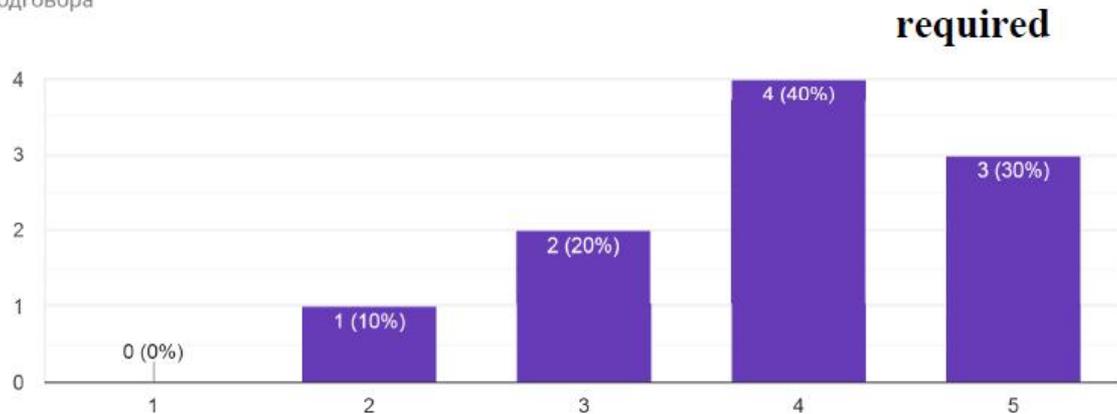
13 одговора



Concrete structures - practical competences

Бетонске конструкције - практичне компетенције

10 одговора



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Thank you
for your attention
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