



# The role of expert teachers in education quality improvement at the Faculty of Agriculture

- a project proposal -

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# Introduction

- Current situation:
  - economic crisis and the need for rational resource use
  - sustainable principles are the basis for planning in economy, science and education
  - intensive diversification of human activities requires of science and education to follow the needs of complex economic processes, especially in agriculture and rural sector
  - How do the study programs at the Faculty of Agriculture contribute to these needs?



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# Project aim and objectives



- Aim:
  - to determine the relationship between the quality of teachers' scientific work and educational work
- Objectives:
  - to define the learning outcomes on selected modules and studies
  - to determine how do the learning outcomes follow students' expectations and labor market needs (requirements)
  - to determine are the expert teachers (with high research production) more successful than experienced teachers (lecturers) in fulfilling students' expectations and satisfaction and their competence for practice
  - to identify possible reasons for success (or failure) of both types of teachers in educational quality improvement

Do Learning Outcomes Kill  
Originality and Creativity?



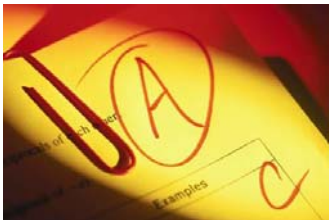
Alternatives?

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# Implementation and feasibility



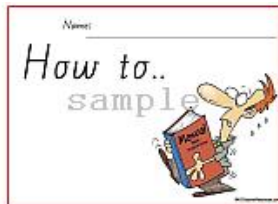
- The project objectives are part of the Strategic plan of the Faculty of Agriculture
- Motivation - Implementation is based on intensive co-operation between the coordinators of selected study programs
- Students of the selected study programs will be surveyed
- Survey will be organized and conducted with the representatives of institutions, services and farms where students carry out their practical work



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# Activities (1/4)

- Activity 1: Selection of study programs for the analysis
  - based on the ratio between number of students interested for the study and study quota
  - result: ***Report on the selected study programs structure***
- Activity 2: Selection of teachers and modules for the analysis
  - determination and analysis of scientific excellence of professors and assistants on selected study programs and grouping into two types: “expert teachers” and “experienced teachers”
  - conducting the students survey about the quality of teachers’ work and students’ satisfaction
  - selection of the research sample between teachers
  - result: ***Report on teachers’ scientific production on selected study programs***



## Activities (2/4)

- Activity 3: Defining the learning outcomes on selected study programs and modules
  - in relation to students' expectations (students survey)
  - in relation to practical needs (field research with representatives from the most important employers in agricultural sector)
  - result: ***Report on defined learning outcomes of selected modules***
- Activity 4: Analysis on differences in educational approaches and characteristics of students' satisfaction
  - conducting the survey between students of selected study programs on differences in teaching approaches and their motivation by the teachers

### LEARNING OUTCOMES



result: ***Report on differences in teaching procedures and elements of students' satisfaction***

## Activities (3/4)

- Activity 5: Evaluation of the educational results in practice (knowledge applicability)
  - based on the opinion of students' practical work mentors
  - result: ***Report on analysis and evaluation of teaching results in practice (applicability of knowledge and skills)***
- Activity 6: Comparative analysis of the research results with experience and/or similar research of foreign programs
  - visits to foreign high education institutions
  - result: ***Report on elements of quality in education from comparable study programs from foreign HE institutions***





## Activities (4/4)

- Activity 7: Publication of the research results (booklet, guidebook with recommendations)
  - to define criteria for evaluation of excellence of teachers work
  - to determine the ways of promotion of successful educational practices related to scientific excellence
  - to define recommendations for study programs not included in the research, with regard to their specifics
  - result: ***Published booklet and guidebook with recommendations and criteria for evaluation of excellence in teaching***



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# Expected results

- Identified elements of educational/teaching quality
- Developed clear criteria for evaluation of teaching and teachers quality
- Recommendations for teaching procedures that could reach more quality learning outcomes, greater students' satisfaction and their success in practical work/employment
- Recommendations for indicators of evaluation of teachers efficiency, taking into account specific characteristics of particular professions



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**QUESTIONS?**

thank you for your attention

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