College ESLG

Annual Report on Program Learning Outcomes Achievement for the program Management of Real Estate and Infrastructure (MA)

The present report is drawn from the Course Learning Outcomes Self Assesment made by each professor of the course for the academic year 2019-2020 and reviews the actual results against the set standards and also reviews the measures, analysis and recommendations for further improvement to adopt a quality improvement plan for the achievement of program learning outcomes and also for adopting the development plan for learning outcomes.

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT						
Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come
Understand laws, rules and regulations of the real estate industry and apply them in practice.	Listing of all laws and administrative directions that regulate the cadastre, urban planning, construction, and real estate appraisal examined by an essay question in the final take home exam and knowing which law and regulation regulates which area of real estate industry.	>=80 % mastery in the question regarding the listing of laws and understanding which laws regulate which area of real estate industry.	100 % of students successfully listed 90 % of the laws and regulations that regulate real estate industry but knew only 60 % of them regulating each area	The lack of mastery of understanding which law regulates which area of real estate industry is because the literature in Albanian "E drejta sendore – Prof. Dr. Abdullah Aliu" contains examples of old Yugoslav laws applicable in Kosovo and not the most recent laws adopted recently.	It is recommended that the professor writes an electronic content that would be published in electronic library which would explain clearly which are the laws and which area they regulate. It is also recommended that a written assignment is added on the topic "Analysis of real estate laws in Kosovo".	

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT						
Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come
Learn how to produce publishable manuscripts	Submission of group research by drafts to the course bearer in the format of publishable	>=70 % mastery score	50 % of students produced a qualitative research manuscript.	Poor statistical and research background from the undergraduate studies especially of those coming from	Add further lectures and include research in curriculum of every course so this is strengthened during the whole study cycle.	

		University of Prishtina
for research journals in the thematic areas of the program;	manuscript. Opening of research manuscript platforms for students to show the process	

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Describe how architectural designs, identifying sustainable buildings, and sustainable urban development can add value to real estate by saving energy.	Direct measure: Final exam on how identifying the weak point of the existing buildings and explain the main strategies to achieve the building efficiency	>=80% mastery score	90% of the students successfully identified the existing weak points of building efficiency strategies and were able to suggest the strategies for building efficiency	The lack of understanding on the existing buildings and were able to a result of the different students backgrounds.	It is recommended that the learning outcomes develop and adapt to the field of Law and Management.

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Understand different forms of sustainable urban development and identifying the weak points of current urban development and design of city of Prishtina in terms of sustainability	Direct measure: Final exam on score	>=80% mastery score	90% of the students successfully identified the existing weak points of and design of the urban development and design of city of Prishtina in terms of sustainability	The lack of understanding on city infrastructure efficiency strategies, is as a result of the different students backgrounds.	Guest speakers from the city planning department of Prishtina and from Institute of Spatial Planning of Kosovo.

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Apply sustainable FM best practices to existing buildings in Kosovo	Site visits to high performance buildings, group project work including condition survey on a particular case study.	>=70 % mastery score	60 % of students are able to apply FM practices in real life	Other students do not know how to apply sustainable FM best practices to existing buildings in Kosovo	Recommended to increase the site visits instead of case study class discussions.

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Understand how the use of sustainable building materials can	Developing the skills to calculate energy consumption and operational energy savings of the building	80 % of students are able to do calculations of operational energy consumption of	70 % of students are able to do calculations of operational energy of various building material types and use it in practice	Students who did not have technical background were having difficulties to grasp the calculations of embodied and operational energy of different	It is recommended to use Athena Impact Estimator more for building material types used in Kosovo construction industry. Also recommended to engage students in a study that would produce a

| add value to real estate and save energy; | which adds value to the building due to reduction of operational expenses of the building during the operations of the building | various building materials and understand how they add value to the building structure. | | material types. | database for embodied energy of Kosovo materials and not use the international ICO University of Bath database. |

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come
Critically asses energy systems implemented in a building;	Developing the skills to calculate energy consumption and operational energy savings of the building and understand which energy system fits the best the current operational energy consumption of the building.	80 % of students are able to do perform energy heating consumption calculation of the building and critically asses the current energy system used in the building..	60 % of students do not understand all energy systems	Students who do not have technical background on heating systems face difficulties in knowing which heating and energy systems to be used depending on consumption results.	It is recommended to call mechanical engineers that work with heating installation companies to come to the class and critically asses with student various energy systems.	

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Understand the development of skills or attributes of an entrepreneur, and how the entrepreneurship education can be oriented towards realizing opportunities. Develop skills for preparing the feasibility study for the real estate business and from it to develop a business plan for	Providing the methods of developments of skills and attributes of the entrepreneurs. Presenting the valuation of the real estate properties and the most important aspects to be included in the feasibility study. Also the tips of businesses for a start-up business have been successfully included in the module.	80% of the general question regarding the listing the attributes of a successful entrepreneur, feasibility study report, and the preparation of the business plan based on the findings of the feasibility study.	Almost 100% of the students were able to provide answers to questions provided by satisfying the criteria to pass the exam by collecting more than 65% of the marks.	There is something that can enhance the performance of the students especially in the scoring aspect on the exam and that is logical understanding the lessons and more practice to empower public speaking skills.	It is recommended that the lecturer provides more reading material and also there should be enough available resources in the library. The material that is provided by the lecturer should be clear and understandable for the level of students. Also there should be assignment by comparing the methods and analysis of the required field.

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come

Learn how to implement quantitative investment techniques in real estate, infrastructure and other fields in Kosovo	Quantitative techniques you serve and other subjects of the study program	The contribution of this course is quite large , since quantitative techniques are used over 70 % of the courses and other fields	75 % of students mastered very well how to develop a quantitative techniques in fields of real estate or infrastructure and used in other subjects of study program.	Contribution of quantitative techniques in other subjects in the study program and may be even greater , since all subjects can apply quantitative techniques	I recommend that except Excel other programs are used too. Also use these techniques in other areas.

STUDY PROGRAM GENERAL LEARNING OUTOMES ACHIEVEMENT

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come
Learn how to implement Monte Carlo simulations, sensitivity analysis and probability distribution in forecasting real estate prices in the construction sector in Kosovo	Group Project developed in Risk Solver	>=60 % mastery in the case assignments using income method	74 % of students mastered very well how to develop a Monte Carlo Simulation	A better result than the standard was achieved because a significant number of exercise hours were allocated to master the Monte Carlo Simulation first with Excel and then with Risk Solver. Download of Risk Solver as a student free trial helped in this regard.	It is recommended that Monte Carlo Simulation and sensitivity analysis be used also in other courses such as Real Estate Valuation, Entrepreneurship in Real Estate etc.	

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Cadastral measurements for creation of immoveable properties registration and know how to record properties in cadastre and Immovable Property Register	Listing of all levels of properties registration and administrative laws and directions that regulate properties registration,	80 % mastery in the question regarding the listing of properties registration structure/function of the process of properties registration	Lectures in the form of dialogues, interactive student centered teaching, team work, discussions, and debates. Different methods and strategies of teaching that motivate and challenge active learning will be used in order to develop sustainable knowledge and skills.	1. Procedurat e regjistrimit te prones ne kadaster 2. Krijimi i kadastrit te ndertesave 3. Kadastri 2014 4. Administrimi i tokave 5. Rindertimi i informacioneve kadastrale 6. Ling D., Wayne A.: Real Estate Principles, 2012 7. •Matjet kadastrale I (2013), Agjecia Kadastrale e Kosoves. 8. •Matjet kadastrale I (2013), Agjecia Kadastrale e Kosoves.	Lectures in dialogue form, interactive teaching with students in focus, group work, discussion, debates.

PART 2 COURSE OUTCOME MEASURES RELATING TO CONTRIBUTIONS OF THE COURSE TO STUDY PROGRAM GENERAL LEARNING OUTOMES

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come
Understand	Applying income method	>=80 % mastery	70 % of the students understood the	This is because valuation of	It is recommended to give at least two	

the valuation methods in appraising various properties	in valuation of specialized properties	in the case assignments using income method	income method in valuation of hotels and 85 % showed proficiency in valuation of gas stations	hotels has more steps in valuation although the logic remains the same.	assignments one group work and other individual assignment in valuation of hotels.

The conclusion is that in twelve of assessed program learning outcomes, the analysis shows that 60 % of the twelve learning outcomes the actual results is either higher or equal to the set standard. From the analysis part assessed by professors themselves the report finds that the students coming from different backgrounds than the technical backgrounds needed for some of the courses face problems in achieving the program learning outcomes and also poor statistical research background for the learning outcome of producing a publishable paper. In the program learning outcome Understand laws, rules and regulations of the real estate industry and apply them in practice after the completion of the Law of Real Estate and Infrastructure course, all students knew the laws by heart but did not know, which ones to apply in practice. This is because the main literature reading of Property law from Abdullah Aliu in the course of Property Law is an old edition and contains the laws of former Yugoslavia. In the program learning outcome implement sustainable facility management during the operation phase of buildings, the analysis shows that students understand the concepts but were not able to implement and apply modern FM practices to Kosovo existing buildings. In the program learning outcome Understand the valuation methods in appraising various properties, students faced problems in mastering the valuation techniques for specialized properties because the specialized properties valuation requires more calculation steps

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