

PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020

COURSE: LAW OF REAL ESTATE AND INFRASTRUCTURE CODE: REM-M-001

NAME OF PROFESSOR: DR. CHRISTIAN SEIDEL

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out- come
Understand the legal infrastructure that regulates the right to ownership, housing and construction	Case-studies represented in the final take home exam involving the analysis of legal infrastructure that regulates the right to ownership, housing and construction and interpretation of laws that regulate this area.	>=80% mastery score in questions involving analysis of laws	65 % of students achieved the present learning outcome	35 % of students that did not achieve the learning outcome by achieving 80 % or higher score in final exam (part including case studies) did not have legal background at all and came from land surveying profession	It is recommended to include case study individual assignment at early stage of course delivery. It is also recommended that for each lesson the bearer of the course includes exercise hours in which case studies involving analysis of legal infrastructure would be presented to the group of students. Students then could be divided into mixed groups including those that come from legal profession.	
Develop analytical skills of application of interconnection of legislative environment and practical work with the real estate management;	Essays in the final take home exam that measure the knowledge of the student on the application of relevant laws and articles in a particular real estate management situation	>=80% mastery score in essay questions measuring the knowledge of student about which relevant laws and articles in laws apply in a particular real estate situation in Kosovo.	70 % of students achieved the present learning outcome measured by the particular standard	30 % of students mixed the laws and articles that apply in various frequent real estate situation.	It is recommended that an individual assignment is given to students with frequent real estate situations in Kosovo with questions regarding which laws and particular articles apply in those situations. Each student should be given a different real estate situation and they should present them in front of the whole group.	
Develop skills in drafting a scientific article in the field of law of property and infrastructure	Production of publishable scientific research manuscript	>=80% mastery score in production of research manuscript	65 % of students achieved to produce a solid research manuscript.	35 % were lagers in the group. This could be because this assignment was given as a group work instead of individual group work.	It is recommended that this is given as an individual assignment which could adversely affect the achievement of team work competencies amongst students or give the students the team work but the production of research manuscript is produced in phases. Phase 1 is abstract, phase two is theoretical framework, phase three is literature review, phase 4 is formulation of	
Develop skills of presenting a scientific article/paper;	Presentation of scientific paper in a congress type setting	>=80% mastery score in production of research manuscript	55 % of students achieved to present a scientific paper in a congress type setting	45 % of students did not present well in the congress type setting. This may be because they never presented in such a setting. Professor did not distribute the instructions for congress type presentations at all.	It is recommended that the students receive instructions for congress setting presentations at the beginning of semester. Instructions should be formulated before next semester and also a book or relevant literature on this topic should be provided to students.	

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 laws, rules and regulations of the real estate industry after the completion of the Law of Real Estate and Infrastructure course	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”.	

Name of the professor: Dr. Christian Seidel

Signature of the professor: _____

Date of submission: 23.10.2020

**PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020 COURSE:
ACADEMIC WRITING CODE: REM-M-002
NAME OF PROFESSOR:ASSOC. PROF. DR. VISAR HOXHA**

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out-come
Understand the basic concepts, tools and strategies related to academic writing;	Via lectures, class discussions and analysis of various essays and writing strategies	>=80 % mastery score	90 % of students understood different types of writings (essays, conceptual papers, literature reviews, empirical research, reports) etc.	This part is more conceptual and does not require more advanced research skills. 10 % of students were not active in lectures and exercises.	N/A	
Understand the basic tools of research methods.	Class discussions and analysis of various articles and researches in social sciences, excluding experimental research;	>=80 % mastery score	90 % of students understood different tools in research.	This part is more conceptual and does not require more advanced research skills. 10 % of students were not active in lectures and exercises.	N/A	
Write different types of articles: conceptual, theoretical, literature review, and scientific	Writing the first draft of research which includes only theoretical framework and literature review	>=80 % mastery score	60 % of students were able to do proper theoretical framework for research using electronic databases	40 % of students are not strong in English and focus on Albanian language literature which is poor in the thematic areas of the study program.	Teach students how to use Google translate to do literature review. Use more E-library of Nova Univerza to see how to avail of international databases such as Springer, SAGE and not use just Google search.	
Learn how to do a research design based on theoretical framework	Writing the second draft of research, which includes also research questions, and research design of the article.	>=80 % mastery score	70 % of students were able to perform proper research design based on the theoretical framework	30 % of students used one sample of research design that they learnt by heart and were not able to apply various research design strategies based on the research questions deriving from the theory.	More exercises on sampling and research instruments.	
Learn when to apply quantitative versus qualitative methods or a combination of both	Analysis of various research articles and writing the part of research for the research paper	>=80 % mastery score	70 % of students understood when to apply quantitative versus qualitative	30 % who did not achieve this learning outcome were missing in the lectures.	More attractive teaching with video aids in this part.	
Learn how to do design sampling, questionnaires, and run qualitative semi-structured interviews	Analysis of various research articles with various sampling, questionnaire and interview techniques. For semi-structured interviews role playing with courses bearer is used. Pilot testing of questionnaires for each group project work is asked in order for students to learn sampling and research instruments before they do the real one for the final	>=80 % mastery score	60 % of students understood how to do semi-structured interviews and record them and later transcribe them.	40 % of students did not participate in role plays	Make role playing part mandatory for every student to take part.	

	research draft.				
Learn how to use SPSS for quantitative research	<i>SPSS labs with course bearer and assistant</i>	>=80 % mastery score	50 % of students understood how to use SPSS	50 % of others who did not do not have a strong statistical knowledge.	Perhaps few lectures on statistics and quantitative analysis could be added. Additional tutorials on statistical quantitative analysis should be added.

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
Learn how to produce publishable manuscripts for research journals in the thematic areas of the program;	Submission of group research by drafts to the course bearer in the format of publishable manuscript. Opening of research manuscript platforms for students to show the process	>=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 University of Prishtina	Add further lectures and include research in curriculum of every course so this is strengthened during the whole study cycle.	

Name of the professor: Dr. Visar Hoxha

Signature of the professor: _____



Date of submission: 23.10.2020

PART 1 COURSE LEARNING OUTCOME ASSESSMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020
COURSE: Sustainable Architecture CODE: REM-M-003
NAME OF PROFESSOR: Prof. Ass. Dr. Elvida Pallaska

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Identify a key elements of climate adapted architectural design of buildings	Problem solving group works and final exams that analysis the building designs according to the different regions and climate conditions	>=80% mastery score on final exams,	70% of the students achieved the presented learning outcomes on individual final exam and problem solving group works,	30% of the students, because of their different backgrounds found it more difficulty understanding the elements of the architectural designs and the role of climate in those designs	It is recommended to develop the learning outcomes, to involve the Country Laws related to climate requirements for new and existing buildings, Group problem solving works needs to be focused on adapting the existing building to climate requirement in order to increase efficiency on building management.
Describe and identify the external environmental resources	Group works on identifying environmental resources, and the process of sustainability	>=75% mastery score on group works	95% of the students can identify the external environmental resources and describe their usage and process of sustainability	15% of the students didn't achieve to correlate the external environmental resources, efficiency trends and sustainability	It is recommended to give an individual assignment focused on the description of the methods for resources sustainability, especially on Country environmental resources.
Explain a process of sustainable buildings life cycle	Class works and final exam on discussing the stages of the building life cycle	>=75% mastery scores on class works	70% of the students achieved the presented outcomes	30% of the students because of their backgrounds (other than architecture), found it more complicated discussing the initial stages of the building life cycle, they were more opened to the phase of building usage.	As the students come from different background it is recommended that the course content treat more deeply the building usage phase, and building end life.
Describe the key strategies according to the specific climate	Individual presentation of key strategies applied on the buildings to adapt on specific climates	>=80% on presentations	85% of the students achieved the presented	25% of the students, because of their background, didn't achieve the complete competencies on identifying the key strategies, according to specific climates, for building sustainability.	It is recommended that learning is focused more deeply on regional climate characteristics, while others climates describe in general.

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

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Describe how architectural designs, sustainable buildings, and sustainable urban development can add value to real estate by saving energy.	Direct measure: Final exam on 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 the existing buildings and were able to suggest the strategies for building efficiency	The lack of understanding on building efficiency strategies, is as a result of the different students backgrounds.	It is recommended that the learning outcomes develop and adapt to the field of Law and Management.

Name of the professor: Prof. Ass. Dr. Elvida Pallaska, 23.10.2020

Signature of professor: _____



PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020
COURSE: Sustainable Urban Design CODE: REM-M-004
NAME OF PROFESSOR: Prof. Ass. Dr. Elvida Pallaska

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Understand the main aspects of sustainable urban design such as carbon neutrality, ecology, social equity and economic sustainability at the city level;	Problem solving group works and final exams that analysis the city planning designs according to the different regions and climate conditions	>=80% mastery score on final exams,	70% of the students achieved the presented learning outcomes on individual final exam and problem solving group works,	30% of the students, because of their different backgrounds found it more difficulty understanding the elements of the city designs and the role of climate in those designs	Group problem solving works needs to be focused on adapting the city to sustainability trends.
Understand and analyze basic models of energy efficiency at the level of city and infrastructure;	Group works on identifying environmental impact of city and infrastructure	>=75% mastery score on group works	95% of the students can identify the external environmental impact	15% of the students didn't achieve to correlate the external impact of city planning and infrastructure and, efficiency trends and sustainability	It is recommended to give an individual assignment focused on the description of the methods for resources sustainability, especially on city planning level.
Gain skills to use analytical methods to formulate the basis of design process and to estimate causal models between different models, energy consumption and economic aspects;	Class works and final exam on discussing the design process of the city planning and its causal models on energy consumption and sustainability	>=75% mastery scores on class works	70% of the students achieved the presented outcomes	30% of the students because of their backgrounds (other than architecture and urban planning), found it more complicated discussing the causal models of city planning on overall energy consumption.	As the students come from different background it is recommended that the course content treats more causal model between city planning and overall energy consumption.
Analyze the concepts and propose new and sustainable solutions for the city.	Individual paper of key strategies applied on sustainable solutions of the capital city of Kosovo, Prishtina.	>=80% on presentations	85% of the students achieved the presented	25% of the students, because of their background, didn't achieve the complete competencies on proposing sustainable solutions to the city of Prishtina, Kosovo	It is recommended that learning is focused more deeply on best practices from other countries in terms of sustainable solutions at the city planning level.

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

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Understand different forms of sustainable urban development and design	Direct measure: Final exam on identifying the weak points of current urban development and design of city of Prishtina in terms of sustainability	>=80% mastery score	90% of the students successfully identified the existing weak points of the urban development and design of city of Prishtina in terms of sustainability	The lack of understanding on city and 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.

Name of the professor: Prof. Ass. Dr. Elvida Pallaska, 23.10.2020

Signature of professor: _____



**PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020 COURSE: SUSTAINABLE FACILITY MANAGEMENT CODE: REM-M-Z-001
NAME OF PROFESSOR: ASSOC. PROF. DR. VISAR HOXHA**

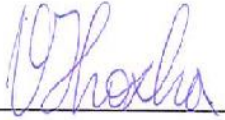
Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out- come
Explain and discuss about the key issues on FM carrier, organizational structures, organizational cultural issues, finances, construction management; building management; environmental management, etc;	Case-studies represented in the final take home exam and case study exercises	>=80 % mastery score in questions involving the types of materials and construction characteristics;	60 % of students achieved the present learning outcome	FM is a new concept and even architects and civil engineers are not familiar with it very well in Kosovo	Increase the weight of visits to high performance buildings with proper FM departments such as Palace of Justice.	
Show knowledge on building operation and maintenance management.	Via lectures, discussions and paper writing case studies and site visits	>=80 % mastery score	60 % of students achieved the present learning outcome measured by the particular standard	40 % of students had the difficulties to understand the maintenance management of the building and each of them had the tendency to rely on management of operations and maintenance from the background from university bachelor studies.	It is also recommended to have several visits to different high performance buildings in Kosovo with FM departments to see practically how best practices are used. Adding also videos and documentaries on proper FM maintenance and operation management.	
Perform condition survey of the building using Thermal Camera;	The group project condition survey requirement of an assigned case study	>=80 % mastery score	90 % of students achieved the present learning outcome measured by the particular standard	10 % of students were group lagers.	Positive reinforcement of those that do the Project work properly by assigning additional bonus points.	
Apply life cycle costing in design, material selection, construction and operation and maintenance	Production of publishable paper on operation and maintenance	>=80 % mastery score	60 % of students achieved to produce a solid research manuscript	40 % of student were lagers in the group. This could be because the assignment was given as a project work and not as an individual work.	Increase the assessment weight of research paper.	

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
Implement sustainable facility management during the	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.	

operation phase of buildings;					
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Name of the professor: Dr. Visar Hoxha

Signature of the professor: 

Date of submission: 23.10.2020

**PART 1 COURSE LEARNING OUTCOME ASSESSMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020 COURSE:
SUSTAINABLE BUILDING MATERIALS CODE: REM-M-005
NAME OF PROFESSOR: ASSOC. PROF. DR. VISAR HOXHA**

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out- come
To be able to understand the types of materials	Case-studies represented in the final take home exam involving the analysis of Engineering&Construction Materials	>=80 % mastery score in questions involving the types of materials and construction characteristics;	70 % of students achieved the present learning outcome	Theoretical comparative analyses of different types of materials. Only 30 % of students had difficulties to catch fast material differences, mainly those who missed lectures, came from different undergraduate studies background and were not interested in discussions in class	To pay more attention to physical and thermal characteristics. On-site visits and reporting about the different processes by comparing the processing and production techniques per each material type and presenting them will enable them to be self-reliant and competent on the course expected outcomes and advance their skills. It is also recommended to include a practical work.	
Understand the thermal properties of each material	Via lectures, discussions and paper writing case studies by differentiating the types of materials by the specific real life example	>=80 % mastery score in questions involving the types of materials, thermal characteristics;	60 % of students achieved the present learning outcome measured by the particular standard	40 % of students had the difficulties to understand the thermal and building physics characteristics due to poor thermodynamics background, and who missed classes and were not interested in class discussions	It is also recommended to use practical work and include case study individual assignments at early stage of course delivery	
Understand the embodied energy and CO2 emission of each material type	The take home exam, which includes also the calculation of embodied energy and CO2 with Athena Impact Estimator and University of Bath life cycle embodied energy and CO2 database	>=80 % mastery score in calculation of embodied energy and CO2 using Athena Impact Estimator and University of Bath ICO database	70 % of students achieved the present learning outcome measured by the particular standard	30 % of students had difficulties to understand and calculate the embodied energy and CO2 emissions using Athena Impact Estimator and 20 % of students had difficulties in calculating embodied energy and CO2 emission using ICO University of Bath database	It is recommended to include case study individual assignment at early stage of course delivery. Study of materials used in construction in Kosovo in terms of embodied energy and CO2 emission. Recommended to use interdisciplinary activity with the course of Energy Buildings as to do calculations together with the operational energy.	
Develop skills in scientific article	<i>Production of publishable scientific research manuscript</i>	>=80 % mastery score in the production of manuscript	60 % of students achieved to produce a solid research manuscript	40 % of student were lagers in the group. This could be because the assignment was given as a project work and not as an individual work and Kosovo students are used to individualistic work especially those coming from public universities.		

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 how the use of sustainable building materials can add value to real estate and	Developing the skills to calculate energy consumption and operational energy savings of the building which adds value to the building due to reduction of operational expenses of the	80 % of students are able to do calculations of energy consumption of various building materials and	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 material types.	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 database for embodied energy of Kosovo materials and not use the international ICO	

save energy;	building during the operations of the building	understand how they add value to the building structure.			University of Bath database.
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Name of the professor: Dr. Visar Hoxha

Signature of the professor: 

Date of submission: 23.10.2020

**PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019/2020 COURSE: ENERGY BUILDINGS CODE: REM-M-006
NAME OF PROFESSOR: ASSOC. PROF. DR. VISAR HOXHA**

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out- come
Calculate the energy heating performance of the building	Using case study URSA software calculation	>=80 % mastery score in calculating heating energy performance of the building using Excel model and using URSA software	70 % of students achieved the present learning outcome	30 % of students had difficulties to calculate the heating performance in Excel and 20 % with URSA software	Use more Excel exercises.	
Demonstrate knowledge of current research and development work within the field of energy efficiency of buildings	Via literature review and case study research paper	>=80 % mastery score in performing global literature review and conducting case study research in Kosovo	70 % of students achieved the present learning outcome measured by the particular standard	40 % of students have proficiency problems in English to conduct an adequate literature review and only 20 % were having difficulties to do case study research, mainly those missing lectures;	Assisting students how to use Google to translate from global literature to perform global literature review.	
Gain insight into renovation and energy optimization from the perspective of sustainable development	The case study analysis used in interdisciplinary activity together with sustainable building materials calculation of embodied energy with Athena Impact Estimator and sustainable refurbishment literature review of other case studied in the world.	>=80 % mastery score in using URSA and Excel operational energy calculation model in cooperation with Athena Impact Estimator and ICO University of Bath software for embodied energy	60 % of students achieved the present learning outcome measured by the particular standard	40 % of students did not achieve this learning outcome mainly those who did not participate in Interdisciplinary activity preparation.	Positive reinforcement for those who participate and complete the interdisciplinary activity with Sustainable Building Materials course.	
Analyse several energy-efficiency measures in the model to obtain the best energy conservation scenario	Using scenario analysis and Monte Carlo simulation used for energy efficiency model scenarios to obtain the best optimization model. Using it as an interdisciplinary activity in the part of exercises in the course of Theory of Probability	>=80 % mastery score in developing a scenario analysis and Monte Carlo simulation model	50 % of students achieved to produce a Monte Carlo and excel scenario analysis model.	50 % of student were lagers in the group. This could be because the assignment was given separately and not as part of extended interdisciplinary activity with the course of Theory of Probability.	Recommended to extend the interdisciplinary activity with Theory of Probability course	
Discuss the advantages and disadvantages of energy efficient building concepts.	<i>Through take home examination</i>	>=80 % mastery score in answering questions regarding pros and cons of energy efficiency concepts.	80 % of students achieved this learning outcome	Only 20 % who were not participating in class discussions do not know to list all pros and cons of various energy efficiency building concepts		

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
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.	

Name of the professor: Dr. Visar Hoxha

Signature of the professor: _____



Date of submission: 23.10.2020

PART 1 COURSE LEARNING OUTCOME ASSESSMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (M.A.) FOR ACADEMIC YEAR 2019-2020
ENTREPRENEURSHIP ON REAL ESTATE NAME OF PROFESSOR Assist. Prof. Dr. Islam Hasani

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out come
Understand the entrepreneurship potential within themselves	Group research paper, and final exam covering topics that are considered the most important in the field. Showed the level of their understanding.	90% score in questions that needed short explanation and also essay form of answers.	85% of the students achieved the present learning outcome.	The percentage of students that did not reach to level of achieving the learning outcome do not have background in economics or real estate plus they were not regularly presenting in the classes.	It is recommended that for every lesson taken, there should be enough exercise with some practical cases with some analysis.	
Appreciate the role of the entrepreneur in the society	Presentation of Research paper, and final exam. Showed the level of appreciation of the topic.	85% score in questions that needed short explanation and also essay form of answers.	80% of the students achieved the present learning outcome.	The percentage of students that did not reach to level of achieving the learning outcome do not have the required background	I would recommend that for every lesson taken, there should be enough exercise with some practical cases with some analysis in order to understand and appreciate the role of the entrepreneur in the society.	
Understand the process of the feasibility: self assessment, observations of the market needs and the working plan	Final exam has carried out some extra weight for explaining what are the important aspects in preparing a feasibility study related to real estate sector.	Good percentage of the total questions were related to this LO only. There were also practical questions as well.	85% of the students have achieved this Learning Outcome.	The remaining percentage who did not achieve to score well, were not regularly attending classes and exercises.	I would recommend involving students individually in some exercises, analysis field visits.	
Identify many types that the entrepreneurship in manifested, including contexts in different levels and sectors	The assignment, researching in the field of real estate industry and also questions on the exam has shown that students do understand the real estate market and their commercial value.	There were group assignments and questions during the exams, students have shown their good level of understanding of the topic.	80% of the students have achieved this Learning Outcome.	The remaining percentage who did not achieve well, were not used to group assignments' but rather questions that require short answers..	It is recommended that students should be given some deep analyses of the real estate market plus some study visits to real estate agencies and property valuation agencies for better understanding of their commercial value.	
Prepare business plan according to the results of the feasibility study report	There were oral presentation of the assignments and also answers provided in a written form that are related to this LO.	Oral presentations and written answers have shown to be good exercise for understanding and achieving this Learning Outcome	Over 80% of the students showed to have achieved this Learning Outcome.	The rest of the students who did not achieve this LO seems to be because of their lack of confidence i n their presentations.	It is recommended that besides understanding the topic very well students should have more of the public speaking practices and tips.	

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 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 opening a new organization or starting a new business.	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.

Name of the professor: **Dr. Islam Hasani, 23.10.2020**

Signature of Professor: _____



PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019-2020 COURSE:

Quantitative investment techniques

NAME OF PROFESSOR : Dr.sc. Sabri Sadiku, prof.assoc.

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Outcome
Use quantitative investment techniques in infrastructure and in real estate	Using quantitative investment techniques to anticipate the movement of prices, the Immovable Property In Kosovo	$\geq 64\%$ They are able to use quantitative techniques in Excel or another program	75 % of students mastered very well how to develop a quantitative techniques in fields of real estate or infrastructure	A better result than the standard was achieved because a significant number of exercise hours were allocated to master the quantitative techniques and concrete example from real estate in Kosovo	I recommend that unless Excel's used and other programs .Also used these techniques in other areas	
To build a histogram for a particular real estate situation	Measured by seminar work in which the students build a histogram for a real estate situation of their own	$\geq 80\%$ They are able to build histogram in Excel for real estate transaction	100 % of students mastered very well how to build a histogram.	A better result was achieved because students understood how to build a histogram in Excel for a particular real estate situation	N/A	
To apply variance and standard deviation in the real estate situation	Measured by seminar work in which the students build a histogram for a real estate situation of their own	80 % They are able to apply variance and standard deviation in real estate transaction	70 % of students mastered very well how to apply a standard deviation in risk management in real estate situation	A lower result was achieved because all learning outcomes such as histogram, variance, standard deviation and so forth were measured only by one seminar work assignment	I recommend more exercises with Excel and adding more case study assignments for students.	
To apply a correlation coefficients in determining factors that affect real estate prices such as location, infrastructure etc.	Measured by seminar work in which the students build a histogram for a real estate situation of their own	80 % They are able to apply correlation coefficients to explain the causes of real estate prices in Kosovo	70 % of students mastered very well how to apply a standard deviation in risk management in real estate situation	A lower result was achieved because all learning outcomes such as histogram, variance, standard deviation and so forth were measured only by one seminar work assignment	I recommend more exercises with Excel and adding more case study assignments for students	

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

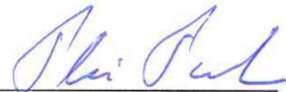
COURSE: Quantitative investment techniques

NAME OF PROFESSOR: Dr.sc. Sabri Sadiku, prof.assoc.

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Outcome
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.	

Name of the professor: Dr.sc.Sabri Sadiku

Signature of the professor:



Date: 23.10.2020

PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019-2020						
COURSE: THEORY OF PROBABILITY IN REAL ESTATE INVESTMENTS CODE: REM –M-Z-004						
NAME OF PROFESSOR: PROF. ASOC. DR. SABRI SADIKU						
Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out- come
To develop a Monte Carlo Simulation in the Excel program, MATLAB or in any other program software	Use of Risk Solver in developing a Monte Carlo Simulation in forecasting real estate prices as part of group project	>=60% mastery score in Monte Carlo Simulation using the software Risk Solver	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 other softwares are used in developing Monte Carlo Simulations but not only for real estate prices and real estate valuation but also for measuring energy efficiency in buildings. Also an increase of Monte Carlo Simulation's weight in grading criteria from 50 % to 60 %.	

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
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.	

Name of the professor: Assoc. Prof. Dr. Sabri Sadiku

Signature of the professor: 

Date: 23.10.2020

**PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019-2020
OF REAL ESTATE NAME OF PROFESSOR: Dr. Hazer Dana**

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation Outcome
Distinguish different methods of property registration	Case-studies represented in team work involving the importance of methods of property registration	90% mastery score in questions involving analysis of methods of property registration	80 % of students achieved the present learning outcome	90 % of master score was requested. 80 % of students have achieved the expected learning outcomes, while 20% did not succeed due to the different educational background.	Field trips to responsible institutions of Registration of real estate
Apply basic methods of immoveable property registration	Group work and discussions taking study cases and finding best practices of property registration	80% mastery score in questions where property registration analysis is included using standards from best property registration standards of the EU	80 % of students achieved the present learning outcome	80 % of master score was requested. 70 % of students have achieved the expected learning outcomes, while 30% did not succeed due to the different educational background.	Eventual participation of students to the study visits and studios where urban property registration are compiled. Additional literature should be provided by the library, especially books about property registration, where students would have the possibility of using them.
Determine the status of a property since its beginning until it is set for trade	Individual students' assignments where students could choose a case study	80% mastery score was achieved.	60 % of students achieved the present learning outcome	80 % of master score was requested. 50 % of students have accomplished the requested assignment according to set standards, while the other 50% of students have faced obstacles to do research on the set assignment due to the lack of data in certain institutions.	Students to practice individual paper and their paper to be peer checked. This should be made mandatory in order for better practices to be reached
Property registration and trade analysis	Individual students' assignments, where students could choose a case study.	80% mastery score was achieved.	60 % of students achieved the present learning outcome	80 % of master score was requested. 50 % of students have accomplished the requested assignment according to set standards, while the other 50% of students have faced obstacles to do research on the set assignment due to the lack of data in certain institutions.	Students to practice individual paper and their paper to be peer checked. This should be made mandatory in order for better practices to be reached

PART 2 COURSE OUTCOME MEASURES RELATING TO CONTRIBUTIONS OF THE COURSE TO STUDY PROGRAM GENERAL LEARNING OUTCOMES					
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 Immoveable 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.	<ol style="list-style-type: none"> 1. Procedurat e regjistrimit te prones ne kadaster 2. Krijimi i kadastrit te ndertesave 3. Kadastrit 2014 4. Administrimi i tokave 5. Rindertimi i informacioneve kadastrale 6. Ling D., Wayne A.: Real Estate Principles, 2012 7. •Matjet kadastrale I (2013), Agjencia Kadastrale e Kosoves. 8. •Matjet kadastrale I (2013), Agjencia Kadastrale e Kosoves. 	Lectures in dialogue form, interactive teaching with students in focus, group work, discussion, debates.

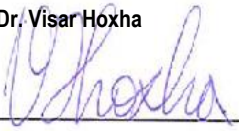
Name of the professor: Dr. Hazer Dana, 23.10.2020

Signature of the professor:

PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019-2020						
COURSE: REAL ESTATE VALUATION CODE: REM-M-010						
NAME OF PROFESSOR: ASSOC. PROF. DR. VISAR HOXHA						
Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out- come
Understand and interpret the real estate valuation according to income method	Case-study represented in the group assignments appraising various types of specialized properties	>=80% mastery score assignment for appraising the hotel and gas station	80 % of students achieved the present learning outcome	20 % dropped as a result of lack of coordination of group work in the groups they participated	It is recommended to include case study individual assignment in addition to project work.	
Apply the DRC method in the valuation of fixed assets for the purpose of financial reporting;	Case-study represented in the group assignments appraising machinery and other fixed assets of real companies in Kosovo	>=80% mastery score in assignment of appraising with DRC method.	100 % of students achieved the present learning outcome	This is because the students were shown how to use DRC method by using Excel. All students mastered the DRC method with Excel	N/A	
Write and present the valuation report;	Production and presentation of valuation report as part of group assignment for all types of specialized properties	>=90% mastery score in production and presentation of valuation report	30 % of students achieved to produce a solid valuation report in full. Others did only mathematical calculations of specialized property value and did not write the whole report	70 % did not write the report at all.	It is recommended that the valuation of properties assigned to be appraised as group project results in a full valuation report	
Work in teams in valuing specialized properties;	Team coherence measured through members of the team answering in the questions of instructor made for the parts of presentation of their group peers	>=80% mastery score in team coherence	90 % of students showed team coherence	10 % were slackers within the group. First also other students did not show motivation in group work but since the whole course had five group assignments.	It is recommended that the team coherence is included as a grading criteria within the course.	

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 the valuation methods in appraising various properties	Applying income method in valuation of specialized properties	>=80 % mastery in the case assignments using income method	70 % of the students understood the income method in valuation of hotels and 85 % showed proficiency in valuation of gas stations	This is because valuation of hotels has more steps in valuation although the logic remains the same.	It is recommended to give at least two assignments one group work and other individual assignment in valuation of hotels.	

Name of the professor: Doc. Dr. Visar Hoxha

Signature of the professor: 

Date of submission: 23.10.2020

PART 1 COURSE LEARNING OUTCOME ASSESMENT FORM FOR STUDY PROGRAM: MANAGEMENT OF REAL ESTATE AND INFRASTRUCTURE (MA) FOR ACADEMIC YEAR 2019-2020 COURSE: MUNICIPAL INFRASTRUCTURE NAME OF PROFESSOR: Dr. Sc. Visar Hoxha

Learning Outcomes	Measures	Standards	Actual Results	Analysis	Recommendation	Out come
Understand the main design considerations; social and environmental impacts associated with the municipal infrastructure (water, energy, road, heating, and stormwater infrastructure)	Essays in the final exam that measures the knowledge of the students about the main components of municipal infrastructure (water, energy, road, heating, and stormwater infrastructure) and about the main design considerations during the planning and implementation of a municipal infrastructure project.	≥75% mastery score in questions related to municipal infrastructure	70% of students have achieved the present learning outcome.	30% of students who did not achieve the learning outcome have had no technical background, as such it was quite difficult for them to understand technical terms.	It is recommended to organize more field visits, so that students become familiar with the water, wastewater and rain water harvesting infrastructure. This way students will gain knowledge about the operation and maintenance requirements of the infrastructure. It is also important to organize written exercises related to design requirements for the abovementioned infrastructure.	
Develop skills and techniques for proper management of municipal infrastructure and for assessment of critical assets	Essays during the final exam that measure the knowledge of the students for best management practices and techniques for assessment of the criticality of infrastructure components	≥75% mastery score in questions related to management practices and techniques for asset management	75% of students have achieved the present learning outcome.	25% of students have not achieved the learning outcome. It was noticed that the subjects related to the management of assets was better understood and was more familiar for majority of students.	It is recommended to organize more practical exercises for development of management plans and assessment of critical assets for various components of the infrastructure in general.	
Develop skills in drafting of research papers related to water, wastewater, rainwater harvesting and presentation of papers	Production and presentation of one research paper	≥80% mastery score in drafting and presentation of research papers	70% of students have achieved to produce a satisfactory research paper, while only 65% of them were able to make a presentation of paper.	The assignment for drafting the paper was given to a group of students. It has been noticed that about 30% of students of a group provided little or no input for finalizing the paper. When it comes to presentation, 35% of students have not been involved in presentation; since students were not delivering inputs while preparing the paper and some were not used to do so.	It has been noticed that the format and the content of paper did not have a standard content. In order to improve the quality of research paper and to make each member of the group to be active in providing inputs, it is recommended to: <ul style="list-style-type: none"> - Set a standard format for writing research paper and define the content of research paper. - Assign specific tasks for each student in a group and assess them based on inputs. - Lecturer shall provide more support and instruction while drafting and presentation of research paper. 	

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 Outcome
<p>Understand the components of water, Wastewater, energy, heating, road and rain water harvesting infrastructure and the best practices for management of assets upon completion of Municipal Infrastructure</p>	<p>Essays during the final exam and the research paper (group and/or individual paper) that measures the knowledge obtained related to the Municipal Infrastructure course</p>	<p>>=75% mastery score in questions related to municipal infrastructure</p>	<p>90% of students has gained satisfactory knowledge about municipal infrastructure, about the management and assessment of criticality of assets.</p>	<p>Students that have attended the Municipal Infrastructure course have had diverse background education; only few of them have had technical background and were able to easily catch the lectures.</p>	<p>It is recommended to conduct more practical exercises about the topic and organize field visits, so that students get more familiar with the infrastructural project, implementation of such projects and about the environmental impacts of those projects.</p>

Name of the professor: Dr. Visar Hoxha

Signature of the professor: _____



Date of submission: 23.10.2020