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

NAME OF PROFESSOR: PROF. DR. VISAR HOXHA

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|--|---|---|--|---|---|
| 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 | 80 % of students achieved the present learning outcome | 20 % of students that did not achieve the learning outcome by achieving 80 % or higher score in final exam (part including case studies) were lagers in the group which is normal | |
| 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. | 80 % of students achieved the present learning outcome measured by the particular standard | 15 % of students mixed the laws and articles that apply in various frequent real estate situation and they are from the ranks of lagers | |
| 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 | 70 % of students achieved to produce a solid research manuscript. | 30 % were lagers in the group. This is because of lacking skills from students coming from different universities with less research skills | Organize the research in the course in line with the course of Research Methods |
| 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 | 80% of students achieved to present a scientific paper in a congress type setting | 20 % of students did not present well in the congress type setting but presented more in the form of student presentation and not | |

| | in the form of conference | |
|--|---------------------------|--|
| | setting. | |

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation Ο α |
|---|--|--|---|----------|---|
| 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 80 % of the laws and regulations that regulate real estate industry but knew only 60 % of them regulating each area | N/A | Develop a case study for the course more complex case study with Koso circumstances that will enable stude to link laws and clauses with probler the industry |

Name of the professor: Prof. Dr. Visar Hoxha

Date of submission: 15.10.2022

COURSE: Academic Writing and Research Methods

NAME OF PROFESSOR : Assit. Prof. Dr. Islam Hasani

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|---|---|--|--|--|
| | | | | | Outcome |
| Understand the basic concepts, tools and strategies related to academic writing; | Using academic writing methods to express their understanding of the topic and be eloquently and expressed as required by standards | ≥64 % They are able to use these tools and techniques | 85 % of students mastered very well how to express and present their findings in the field. | A better result than the standard was achieved because of linking theory with practise | I recommend that professors with SCOPUS and WoS publications are invited to talk about research strategies |
| Understand the basic tools of research methods. | Measured by seminar work in which the students compare different research methods | ≥80 % They are able to see the difference between the options | 85 % of students mastered very well research methods. | A better result was achieved because students understood the concepts and enough was given to them. | N/A |
| Write different types of articles: conceptual, theoretical, literature review, and scientific; | Measured by seminar work in which the students present their articles on the filed | 80 % They are able to apply and differentiate them | 85 % of students mastered very well how to apply a standard deviation in risk management in real estate situation | A better result was achieved because all learning outcomes such were measured by one seminar work assignment | N/A |
| Learn how to do a research design based on theoretical framework; | Measured by seminar work in which the students build their concepts and designs | 80 % They are able to apply correlation between one and another concept | 80 % of students mastered very well this part | 20 % were lagers due to inexperience with Systematic Literature Review | I recommend seminar work on Systematic Literature Review or Theoretical Framework |

COURSE: Academic Writing and Research Methods

NAME OF PROFESSOR: Assist. Prof. Dr. Islam Hasani,

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation | Out- come |
|--|--|---|---|--|---|--------------|
| Learn when to apply quantitative versus qualitative methods or a combination of both | Research work and academic writing is used in every subject. All works have to be presented in writing and this needs to be done well. | The contribution of this course is quite large and it deals with other courses and other fields | Most of the students mastered very well this course and it is necessary for them to write the report and the thesis at the end. | Contribution of the course is used at large in every aspect, theoretically as well as practically. | I recommend the final research partial involves both quantitative and qualitative research or one of the researches with the reasoning who other method was not used backed by the literature | y the |

Name of the professor: Assist. Prof. Dr. Islam Hasani

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation Out |
|---|--|-------------------------------------|--|---|--|
| | | | | | come |
| 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, | learning outcomes on individual final exam and problem solving group works, | backgrounds that are not at all related to architecture | Include learning activity from EdX and MIT course that is very attractive with lots of videos of different architectural designs. Include Netlix documentaries |
| Describe and identify the external environmental resources | Group works on identifying environmental resources, and the process of sustainability | group works | 90% of the students can identify the external environmental resources and describe their usage and process of sustainability | | No recommendation |
| Explain a process of sustainable buildings life cycle | Class works and final exam on discussing the stages of the building life cycle | | | 20% 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 use. | |
| escribe the key strategies cording to the specific | • | >=80% on presentations | 85% of the students achieved the presented | 15% of the students, because of their background, didn't achieve the complete | Develop a Kosovo climate case study for students to understand the Kosovo climate. |

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation Outcome |
|-------------------|---------------------------|-----------|----------------|---|--|
| saving energy. | Final exam on identifying | | | The lack of understanding on building efficiency strategies is as a result of the different students backgrounds. | Add exercises; Invite architects in the class; Visit Agency for Energy Efficiency; Incorporate EdX and Netflix videos |

background, didn't achieve the complete competencies on identifying the key strategies, according to specific climates, for building sustainability.

Name of the professor: Prof. Ass. Dr. Elvida Pallaska, 15.10.2022

of key strategies applied on the buildings to adapt on specific

climates

climate

COURSE: Sustainable Urban Design CODE: REM-M-004

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation Out |
|---|---|------------------------|---|---|--|
| | | | | | come |
| 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 | on final exams, | 80 % of the students achieved the presented learning outcomes on individual final exam and problem solving group works, | sustainable urban design through video documentaries of Netflix and other video lectures of Coursera and EdX | Use Netflix and EdX documentaries in class and debate upon them. Include a documentary commentary as an assessment method. |
| Understand and analyze basic models of energy efficiency at the level of city and infrastructure; | | | 90% of the students can identify the external environmental impact | Students understood very well the concept | No recommendation. |
| 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; | the design process of the city planning and | on class works | | 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. | Include case studies of Kopenhagen and Malmo and debate upon them and see how the best planning practices can be used in the cities of Kosovo. |
| 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 | 90 % of the students achieved the presented | 10 % were lagers in the group | No recommendation. |

| PART 2 COURSE OUTCOME I | PART 2 COURSE OUTCOME MEASURES RELATING TO CONTRIBUTIONS OF THE COURSE TO STUDY PROGRAM GENERAL LEARNING OUTOMES | | | | | | | | |
|-------------------------|---|-----------|---|----------|---|--|--|--|--|
| Learning Outcomes N | Measures | Standards | Actual Results | Analysis | Recommendation Outcome | | | | |
| th u | Direct measure: Final exam on identifying he weak points of current urban development and design of city of Prishtina n terms of sustainability | | existing weak points of the urban development and design of city of Prishtina in terms of | | Develop a Kopenhagen and Malmo case studies with best practices there with questions on how those practises could be used in Kosovo | | | | |

Name of the professor: Prof. Dr. Visar Hoxha, 15.10.2022

COURSE: Execution of Innovative Projects in Public and Private Sector

NAME OF PROFESSOR : Assist. Prof. Dr. Islam Hasani

| Learning | | | | | Recommendation |
|---|--|--|--|---|---|
| Outcomes | Measures | Standards | Actual Results | Analysis | |
| Develop a strong strategic understanding of how best to deliver various types of projects in the built environment; | Using investment techniques to foresee best options for the completion of the projects with high value and strategically acceptable and environment friendly | ≥70 % are able to use these techniques In understanding and practicing these types' projects. | 60 % of students mastered very well how to develop these techniques in fields of real estate or infrastructure | Lower result was achieved due to lack of practical examples | Conduct industry visits Invite guest speakers Watch video documentaries |
| Examine the compatibility of various project delivery methods, consisting of organizations, contracts, and award methods, with certain types of projects and owners | Measured by quantitative method in which students will be able to check the compatibility of the projects from different angles. | ≥80 % They are able to check the compatibility of the projects using computed programs for real estate transaction | ≥90 % of students mastered very well how to do it | A better result was achieved because students understood very well the concept through exercises. | N/A |
| Understand the importance of Innovative projects | Measured by research work in which the students presented actual completed projects and their benefits. | 80 % They are able to apply variance and standard deviation in real estate transaction | 100 % of students mastered very well how to apply this standard | A better result was achieved because all of the students could participate by analysis | N/A |

| | | | | and comparisons of the innovative projects. | |
|---|---|---|---|---|---|
| Contribution of PPP in the development of a country | Measured by seminar work in which the students show PPP projects' contribution to government and people as well | 80 % They are able to apply correlation these projects to explain such contribution | 70 % of students did not understand how to economically model PPP projects for development of the country especially economic feasibility | A lower result was achieved due to inexperience with PPP case studies | Develop a case study of PPP in airport and see how much economy of Kosovo benefited from PPP projects in airport and other case studies. Include this even as an assignment method. |

COURSE: Execution of Innovative Projects in Public and Private Sector

NAME OF PROFESSOR: Assit. Prof. Dr. Islam Hasani

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation | Out-come |
|--|---|--|---|--|---|------------------------------------|
| Learn how to implement innovative Projects related to real estate and infrastructure development | An innovative project such as Public private partnership is not a new phenomenon and is expending more. | The contribution of this course is quite large, since it related to other courses of real estate analysis although is not limited to that only | 75 % of students mastered very well how to develop techniques in the fields of real estate or infrastructure projects related to PPP. | Not all students understood the benefit of PPP for the economy | Develop a case study of PPP i and see how much economy benefited from PPP projects i and other case studies. Include even as an assignment methol | of Kosovo in airport de this |

Name of the professor: Assist. Prof. Dr. Islam Hasani

COURSE: SUSTAINABLE BUILDING MATERIALS CODE: REM-M-006

NAME OF PROFESSOR: PROF..DR. VISAR HOXHA

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|--|--|--|--|--|
| To be able to understand the types of materials | Case-studies represented in the final take home etake- homeving the analysis of Engineering & Construction Materials | >=80 % mastery score in questions involving the types of materials and construction characteristics; | 90 % of students achieved the present learning outcome | Students understood types of materials via documentaries in Coursera and Netflix and from Interdisciplinary Activity | Strengthen the Interdisciplinary Activity |
| 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; | 70 % of students achieved the present learning outcome measured by the particular standard | This part was not well achieved due to lack of understanding of students for building physics | Develop a simplified case study without complicated building physics |
| 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 | 80 % of students achieved the present learning outcome measured by the particular standard | 20 % were lagers | Continue with interdisciplinary activity in combination with Energy Buildings and course of Professor Islam Hasani |
| Develop skills in scientific article | Production of publishable scientific research manuscript | >=80 % mastery score in the production of manuscript | 80 % of students achieved to produce a solid research manuscript | 20 % were lagers | No recommendation |

| Learning Measures Standards Actual Results Analysis Recommendation | | | | | | |
|--|----------------------------------|------------------------|--|------------------|---|--|
| Outcomes | | | | , | | |
| Understand how | Developing the skills to | 80 % of students are | 90 % of students are able to do calculations | 10 % were lagers | Strengthen the Interdisciplinary Activity as an | |
| the use of | calculate energy consumption | able to do | of operational energy of various building | | Assessment Method in combination with the | |
| sustainable | and operational energy savings | calculations of energy | material types and use it in practice | | course Energy Buildings and other courses of | |
| building materials | of the building which adds value | consumption of | | | | |

| can add value to | to the building due to reduction | various building | Professor Islam Hasani Include also the cours |
|------------------|-----------------------------------|---------------------|---|
| real estate and | of operational expenses of the | materials and | of Real Estate Development |
| save energy; | building during the operations of | understand how they | |
| | the building | add value to the | |
| | | building structure. | |
| | | | |

Name of the professor: Prof. Dr. Visar Hoxha

COURSE: ENERGY BUILDINGS

NAME OF PROFESSOR: DR. FUAT PALLASKA

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|---|--|--|--|---|
| 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 | Students understood types of materials via documentaries in Coursera and Netflix but did not understand to do calculations independently | Include calculation ssoftware |
| 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 | 90 % of students achieved the present learning outcome measured by the particular standard | 10 % were lagers | Continue with an interdisciplinary activity where students will discuss a real estate development project from various angles including entrepreneurship and financial aspect |
| 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 | 90 % of students achieved the present learning outcome measured by the particular standard | 20 % were lagers | Continue with interdisciplinary activity in combination with Energy Buildings and course of Professor Islam Hasani and course of Real Estate Development |
| 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 | >=80 % mastery score in developing a scenario analysis and Monte Carlo simulation model | 80 % of students achieved to produce a various scenarios | 20 % were lagers | Strengthen the Interdisciplinary Activity in 2022/2023 with calculation software |

| | course of Theory of Probability | | | | |
|---|------------------------------------|---|---|-----------------------|-------------------|
| Discuss the advantages and disadvantages of energy efficient building concepts. | Through take home examination | >=80 % mastery score in answering questions regarding pros and cons of energy efficiency concepts. | 90 % of students achieved this learning outcome | Only 10 % were lagers | No recommendation |

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|---|--|--|------------------|--|
| 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 | 80 % of students are able to do calculations of operational energy of various building material types and use it in practice | 20 % were lagers | Strengthen the Interdisciplinary Activity as an Assessment Method in combination with the course Building Materials and other courses of Professor Islam Hasani. Include Real Estate Development. Invite real estate developers as guest speakers and their architects and supervision engineers |

Name of the professor: Prof. Dr. Visar Hoxha

COURSE: Entrepreneurship on Real Estate

NAME OF PROFESSOR : Assist. Prof. Dr. Islam Hasani

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|--|---|--|--|---|---|
| Understand the entrepreneurs hip potential within themselves; | Using role model method and examples to explain the creativity of a student business undertaking | ≥70 % They are able to use these methods and explain their creativity | 72 % of students mastered very well how to express their skills and this ideas | A better result than the standard was achieved because a significant number of exercise hours were allocated. | I recommend that more hands on exercises to be used for explaining the creativity |
| Appreciate the role of the entrepreneur in the society | Measured by research work in which the students present a real estate development situation of their own | ≥80 % They are able to build histogram in Excel for real estate transaction | 85 % of students mastered very well how to do this kind of presentation. | A better result was achieved because students understood how to build a histogram in Excel for a particular real estate situation | N/A |
| Understand the process of the feasibility: self-assessment, observations of the market needs and the working plan; | Measured by seminar work in which the students build a case study report for the feasibility of any project | 80 % They are able to apply this standard and identify new business concepts | 60 % of students mastered very well how to apply it. | A lower result than expected was achieved because all learning outcomes were measured only by one seminar work assignment | I recommend more hands-on case studies and assignments for students. Guest speakers from industry Practical placement with real estate entrepreneurs |
| Understand Analytical Framework of Entrepreneurs hip | Measured by seminar work in which the students build case studies | 80 % They are able to apply correlation and the causes of real estate project success | 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 were measured only by one seminar work assignment | I recommend more exercises with Excel and adding more case study assignments for students Explore other analytical frameworks for entrepreneurs in real estate |

COURSE: Entrepreneurship on Real Estate

NAME OF PROFESSOR: Assist. Prof. Dr. Islam Hasani

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|---|--|---|--|--|
| Understand strategic positioning of Entrepreneuria I Opportunities in real estate development | Feasibility and analytical study techniques serve and other subjects of the study program as well. | The contribution of this course is quite large, since in every subject there is some feasibility and entrepreneurial skills required | 80 % of students mastered very well how to develop an entrepreneurial technique in the fields of real estate or infrastructure that can be used in other subjects of study program. | Contribution of entrepreneurial techniques in other subjects in the study program and may be even greater, since all subjects can apply these techniques | Strengthen the Interdisciplinary Activity with other courses and include energy efficiency calculations and life cycle costing in feasibility study planning |

Name of the professor: Assist. Prof. Dr. Islam Hasani

COURSE: Quantitative investment techniques

NAME OF PROFESSOR : Assit. Prof. Dr. Islam Hasani

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|---|---|--|--|--|
| 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 | ≥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 using SPSS and Risk Solver to develop different prediction scenarios in investments |
| 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 | ≥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, SPSS and Risk Solver |

| To apply a | Measured by a case study | 80 % They are | 60 % of students mastered very well | A lower result was achieved | I recommend more exercises with Excel, |
|-----------------------------|--------------------------|-----------------------------|--------------------------------------|---------------------------------|--|
| correlation | research and problem- | able to apply | how to apply a standard deviation in | because all learning outcomes | SPSS and Risk Solver |
| coefficients in determining | solving | correlation coefficients to | risk management in real estate | such as histogram, variance, | Invite a SPSS expert |
| factors that | | explain the | situation | standard deviation and so forth | milite d 31 33 expert |
| affect real | | causes of real | | were measured only by one | Use Monte Carlo Simulation to develop |
| estate prices | | estate prices in | | seminar work assignment | automatic correlation predictions |
| such as | | Kosovo | | | |
| location, | | | | | |
| infrastructure | | | | | |
| etc. | | | | | |

COURSE: Quantitative investment techniques

NAME OF PROFESSOR: Assit. Prof. Dr. Islam Hasani.

| Learning Outcomes | Measures | Standards | Actual Results | Analysis | Recommendation |
|---|--|--|--|--|---|
| 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 | 60 % 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. | The achievement is lower than expected | Build a more simplified case study in Interdisciplinary Activity that is fit for future real estate managers and decision-makers |

Name of the professor: Assit. Prof. Dr. Islam Hasani