SYLLABI

| Basic data of the subject | | | | |
|---|---|--|--|---|
| Academic unit: | Faculty of | f Management | | |
| Program: | | | d Entrepreneurs | hip |
| Subject title: | | tics for Business | | • |
| Level: | Bachelor | | | |
| Case status: | Obligator | ·v | | |
| Year of studies: | I | • | | |
| Semester: | I | | | |
| Number of hours per week: | 3 | | | |
| Credit value – ECTS: | 6 | | | |
| Time / location: | UASF | | | |
| Subject teacher: | | | | |
| Contact details: | | | | |
| | | | | |
| Course Description Course purpose | numbers a algebra (b systems of application sequences function, its applica. The purp knowledge elements of ways of g meaning of is their application and their fields. | and operations with budget line equators of linear equations on, Elementary further and their application, Elements of ose of this more and skills in of financial mathetiving a function of matrices, derivation in the dof study), i.e. to | d operations with th real numbers, Etion), Determinant, Understanding of unctions and their lication, Limit of action, Derivative financial mathematics, the meand process of the development of the development of the problems in the entitle of the control of the problems in the c | dements of linear ts, Matrices and f function and its graph, Numeric f sequence and of function and natics. O students with atical concepts, ning of function, of functions, the as the main goal and economics f students' skills |
| Expected learning outcomes | and abilities to solve concrete problems in the economic field. After completing the course, students will be able to: To have basic conceptual knowledge about the importance of the subject of Mathematics in business, (ECTS 1.5) To know and understand the elements of linear algebra in solving problems from the field of business (ECTS 1.5) To acquire the elements of financial mathematics. (ECTS 1.5) To know the concept of a series and a function, types of functions, their properties and applications. Their application in economics. (ECTS 1.5) | | | |
| Contribution to the student workload (which should correspond to the student's learning outcomes) | | | | |
| ACTiViTY | | hour | Day/week | in total |
| Lecture | | 2 | 15 | 30 |
| Theoretical exercises/tasks | | 1 | 15 | 15 |
| | | | | 10 |
| Practical work | | 5 | 1 | 5 |

| Field exercises | | 1 | 5 | 5 |
|---|--|--|---|---|
| Colloquiums – seminars | | 2 | 2 | 4 |
| Homework | | 2 | 10 | 20 |
| Student's personal study time (at home) | in the library or | | | 30 |
| Final exam preparation | | 2 | 10 | 20 |
| Time spent on assessment (tests | s, final exam) | 2 | 3 | 6 |
| Projects, presentations, etc. | | 1 | 5 | 5 |
| TOTAL | | | | 150 |
| Teaching methodology and learning methodology | weekly individua the form of indiv will be discussed students are enco- contribute to the individual work, | l and group exerced and group d. Active participuraged to regularly discussions that discussions and getting the second s | | es will be held in increte examples ly important, so and exercises and ctures. Lectures, |
| Assessment methods and | The assessment | method - is base | ed on three activiti | ies - on the basis |
| passing criteria | of which the final grade will be built: Activity and Engagement in Learning,,,,max 10 points (%), Final exam (or two tests)max 90 points (%), Passing criteria: 1. Activity and Engagement in Learning – evaluated with 10 points out of 100 possible points, Activity in the lesson (5 points (%)) - means that the student is active and involved in interactive discussions between professors and students, students and students, opening up new topics that are related to the subject, providing ideas, opinions, critical thoughts with the aim of stimulating debate during lectures. Engagement (5 points (%)) - means that the student completes and presents the tasks that are assigned at the end of each lecture and then discussed at the beginning of the next lecture Goal: Encouraging critical thinking and creative solution of real situations related to the problems posed - related to teaching and learning in the subject module. | | | |
| | within the se be held for st the 7th or 8th the student path the student is student can the directly take the final example. | emester, two tests rudents actively en week and the sea asses the test if he considered to he take the second the final exam - on test, after the en | (2 x 45 points (% ngaged in lectures cond test at the engle has at least 22 place passed the fittest. The student ral or written. The ad of the lectures of the ermined by the Universal or who will be the universal or written. | a)) are planned to s, the first test in d of the lectures, points (%), since rest test, then the has the right to student will take of the subject and |

| | The purpose of the exam is to assess the student's knowledge, skills, abilities, and competencies, related to the learning outcomes expected for the subject material taught. The exam test (question form) must be completed individually by the student and is assessed according to criteria and contains: • objective questions, which will be used to assess the student's ability to remember and recognize the concepts and material of the course | | | | |
|---|---|-------|----------------|--|----------------------------|
| | | Gradi | ECTS/Gra | Percentage (%) | The definition |
| | | ng | de | | |
| | | 10 | A | 90 - 100 | Excellent |
| | | 9 | В | 80 - 89 | Excellent |
| | | 8 | С | 70 - 79 | Very good |
| | | 7 | D | 60 - 69 | Good |
| | | 5 | E EV/E | 50 - 59 | Sufficient |
| | | 3 | FX/F | 0 - 49 | Insufficient |
| Concretization tools – IT | Use of Smart-board, whiteboard, Internet, wireless, computer, projector, PowerPoint, Use of "on-line" platforms and tools to support communication and team collaboration, etc. | | | | |
| The ratio between the theoretical and practical part of the study | 50% - Theory, 50% - Practical exercises, This report aims to analyze the connection between the theoretical knowledge acquired during the lectures provided in the course module and the implementation of practical exercises (practical visits, exercises with students, student quizzes in class, etc.) Of the total 150 hours planned for the course, the division is made according to the ratio of 50% focusing on theory and 50% on practice. • 75 hours are dedicated to theoretical lectures, including the acquisition of basic concepts, methodologies and standards foreseen in the subject module. • 75 hours are focused on practical exercises, work visits, case studies, group work, and development of simulation projects. Allocation of 6 ECTS according to the ratio 70%-30% ❖ 3 ECTS (70%) are dedicated to the theoretical part ❖ 3 ECTS (30%) are dedicated to the practical part. This division reflects the balance between acquiring basic concepts and applying them through practical activities. | | | | |
| Literature | | | | | |
| Basic literature | | | ka për ekonomi | Loku dhe Ilmi stë, 2016, Prishtinë. es,for economics a | Hoxha, and business, ninth |

| | edition, 2018, |
|-----------------------|--|
| Additional literature | 1. Dr.Sc.Razim Hoxha, Përmbledhje detyrash të zgjidhura nga |
| | matematika I, Prishtinë-2011, |
| Designed lesson plan: | |
| WEEK | The lecture that will be held |
| First week | Sets, numerical sets and operations with them |
| | |
| | This lecture provides the basic concepts regarding sets and operations with them, then numerical sets such as that of natural, whole, rational |
| | and real numbers are taken. |
| Second week | Elementary Functions and Their Properties |
| | |
| | This lecture provides the basic understanding of linear, quadratic, |
| | exponential, logarithmic, trigonometric functions and their graphs. |
| Third week | Matrices and Determinants |
| | This lecture provides the meanings and operations with matrices |
| | and determinants |
| Fourth week | Systems of Linear Equations |
| | |
| | This lecture provides the meanings and solutions of systems of |
| Fifth week | linear equations, as well as methods for solving them. Understanding numerical sequences and their properties |
| ritti week | Onderstanding numerical sequences and their properties |
| | This lecture provides the meanings of numerical sequences, |
| | arithmetic sequences, geometric sequences, their applications, and |
| | properties such as monotonicity and boundedness. |
| Sixth week | Limits of numerical sequences and the number sequence |
| | This lecture gives the limit of sequences and their properties, then |
| | the definition of number and their application are taken. |
| Seventh week | Properties of Functions |
| | |
| | This lecture covers the basic properties of functions, function |
| Week eight | domains, monotonicity, boundedness, period of a function, etc. Limit of a function |
| Week eight | Limit of a function |
| | This lecture gives the meaning of the limit of a function in both the |
| | algebraic and trigonometric cases and examines their indefinite |
| | forms. |
| Week nine | It is planned to organize the first Test. |
| WCCK HIHE | Continuity of functions |
| | This lecture provides the basic concepts regarding continuous |
| | functions and presents some of their properties with applications. |
| Tenth week | Understanding the derivative of a function |
| | This lecture explains the meaning of the derivative of a function |
| | using the example of the tangent of a function's graph. Then, their |
| | basic properties, as well as the derivatives of composite functions. |

| Week eleven | Applications of Derivatives |
|-----------------|---|
| | This lecture covers some applications of derivatives of functions, such as graphical representation of functions through the derivative, then practical problems in maximum and minimum values, and others. |
| Twelfth week | Applications of Derivatives in Economics, Keynes' |
| | Macroeconomic Model |
| | This lecture presents the basic model of Keynes' macroeconomic model, which does not take into account state aid and external factors. |
| Thirteenth week | Simple and Compound Interest |
| | This lecture provides the meanings and applications of simple and compound interest and addresses specific problems of their examination. |
| Week fourteen | Annuities |
| | This lecture provides the basic understanding of annuities and their practical applications. |
| Week fifteen | Loan |
| | This lecture provides the basic concepts of loan, its amortization and their practical applications. It is planned to organize the second test, |

Academic policies and rules of conduct

The student is obliged to attend lectures regularly and to have correct behavior towards colleagues and University staff, maintaining calm and active engagement in lectures and exercises is mandatory. During lectures and exercises, eating, whispering that hinders work in the classroom and the use of mobile phones are PROHIBITED. At the same time, mobile phones must be turned off or put on silent and not used during lectures or exercises. Lack of academic integrity (including plagiarism, copying another person's work, use of unauthorized aids in exams, cheating, etc.) will not be tolerated. If there are doubts about the authenticity of the work submitted, the professor has the right to ask the student to verify his/her work. This can be done through repeating the work, written or oral testing, surprise quiz or any other action deemed necessary by the lecturer.