

**COURSE DESCRIPTIONS 2011/2012**  
**DEPARTMENT OF ARCHITECTURE FIRST CYCLE COURSE DESCRIPTIONS**

**First year**

**Compulsory courses**

**ARC 101. BASIC DESIGN**

**Hours (Theoretical-Practical): 2+4**

**ECTS: 8**

Students are introduced to the visual elements and principles of design through slide lectures and practical sessions. The visual elements consist of: point and line; shape and mass; texture; light; color; and space. The principles of design include: unity and variety; balance; emphasis and focal point; proportion and scale; movement, stability and rhythm. Students will be expected to apply the concepts learned from the lectures and demonstrations to create 2-dimensional visual compositions. Students will advance from achromatic compositions to more advanced chromatic compositions. Classroom lecture will expand upon visual elements and principles of design to include straight, curved and implied line; geometric and organic shapes; positive and negative space; approximate symmetry, symmetrical, asymmetrical and radial balance; illusion of depth; simulated and actual texture; and color theory. The majority of class time will be spent working on assignments but outside time may be necessary to complete the work. Critiques will follow most major assignments for critical feedback from the instructor and fellow classmates.

**ARC 103. GRAPHIC COMMUNICATION**

**Hours (Theoretical-Practical): 2+2**

**ECTS: 4**

The course elaborates and explores methods of graphic representation of architectural project introducing students to the fundamental drawing techniques crucial to expressing any design idea. The focus of this course is on basic graphic representational elements and their integration into complex visual presentation. The course, through various practical exercises introduces students to the methods of representation of visual attributes of objects, spatial representational systems, proportion, drawing techniques.

**CEN 131. COMPUTER LITERATURE AND SKILLS**

**Hours (Theoretical-Practical): 2+2**

**ECTS: 5**

This course covers basic concepts in information technology, software and hardware, operating systems, word processing, spreadsheets, databases, using the Internet in education, effects of information technology on social structures and in education, system security and ethical considerations.

**ELT 117. ADVANCED READING AND WRITING I**

**Hours (Theoretical-Practical): 2+2**

**ECTS: 6**

Development of Reading and Writing Skills in English: The course reinforces academic reading skills (finding the main idea, skimming, scanning, inferring information, guessing vocabulary from context, etc.) through reading selections on a

variety of topics. It also aims at developing critical thinking, which enables students to respond to ideas in a well-organized written format. Other reading related writing skills such as paraphrasing and summarizing are also dealt with.

### **MTH101. CALCULUS I**

**Hours (Theoretical-Practical): 2+2**

**ECTS: 7**

Calculus I: Functions, Limits, continuity and derivatives. Applications. Extreme values, the Mean Value Theorem and its applications. Graphing. The definite integral. Area and volume as integrals. The indefinite integral. Transcendental functions and their derivatives. L'Hopital's rule. Techniques of integration. Improper integrals. Applications. Parametric curves. Polar coordinates.

### **BOS 101. BOSNIAN I**

**Hours (Theoretical-Practical): 2**

**ECTS: 0**

This course is taught through the Bosnian Language. The course contains basic grammatical rules of the language. Everyday practical use of the language. This course is for Turkish students.

### **TDE 191. TURKISH LANGUAGE I**

**Hours (Theoretical-Practical): 2**

**ECTS: 0**

This course is taught in Turkish Language. The course contains basic grammar rules of the language. Everyday practical use of the language. This course is for non-Turkish students. It covers following topics:

Basic characteristic of written language

Grammar

Subjectivity and objectivity

Free writing

Guided writing

### **ARC 104. INTRODUCTION TO ARCHITECTURE**

**Hours (Theoretical-Practical): 2+2**

**ECTS:5**

This course is designed to inspire the student to consider the built environment in a new way through the study of ideas about architectural design and history, and architecture and planning in the context of the urban and rural environments. Ideally, this new visual vocabulary and these architectural concepts will encourage the student to become more judicious users and observers of the built environment. This course is a Fine Arts Foundation course for the general education program. As such, it emphasizes issues of design. This course also provides students with information about the profession of architecture, its history, the scope of traditional practice, contemporary issues in design and related professional careers. The critical facets of architectural education will be examined.

### **ARC 114. ARCHITECTURAL DESIGN I**

**Hours (Theoretical-Practical): 2+4**

**ECTS:8**

Architectural Design I studio lays down the foundations for architectural design. Through lectures, small scale and experimental design projects, thinking of human inhabitation, space, and tectonics, as well as the relationship between plan, section and elevation, the course introduces principles and methods used at various stages of design analysis and synthesis processes. Site conditions are introduced to the design process; and the relation between interior and exterior are considered with

regard to inhabitation.

### **ARC 115. BUILDING CONSTRUCTION TECHNOLOGY I**

**Hours (Theoretical-Practical): 2+2**

**ECTS:6**

Introduction to building materials and their simple use and application techniques and technologies. Historical development of materials, criteria for selection of materials and a systematic overview of their properties; issues in building finalization, composition of envelope structures and surface treatment on the architectural design level. It trains the students in various techniques in the construction of buildings, especially cost efficient techniques to develop competencies in assisting supervisors, engineers, and contractors and prepare themselves for self-employment. Introduction into the systematic and efficiency of building constructions and its designed presentation. General view of the development and use of building constructions, as well as the stress of buildings and components. Understanding of basic information in the building, especially as an encouragement for constructive thinking, recognizing and understanding of building constructions.

### **ARC 108. STATICS AND STRENGTH OF MATERIALS**

**Hours (Theoretical-Practical): 2+2**

**ECTS:5**

Introduction to principles of mechanics. Equivalent force systems, free body diagrams. Analysis of simple plane structures. Internal force in beams and trusses, shear force, bending moment and axial force diagrams. Centroids and moment of inertia of sections. Introduction to stress and strain concepts. Equilibrium, compatibility and constitutive relations. Bending and shear stresses. Deflection of trusses and beams. Torsion. At the end of Statics and Strength of Materials course, the learner is expected to improve his/her ability to calculate the amount of load on a specific structural member.

### **ELT 102. ADVANCED READING AND WRITING II**

**Hours (Theoretical-Practical): 2+2**

**ECTS:6**

Development of Reading and Writing Skills in English II: The course reinforces academic writing skills. In this course students write different types of essays based on the ideas they are exposed to in the reading selections. The emphasis is on the writing process in which students go through many stages from brainstorming and outlining to producing a complete documented piece of writing.

### **BOS 102. BOSNIAN LANGUAGE II**

**Hours (Theoretical-Practical): 2**

**ECTS:0**

This course is taught through the Bosnian Language. The course contains basic grammatical rules of the language. Everyday practical use of the language. This course is for Turkish students.

### **TDE 192. TURKISH LANGUAGE II**

**Hours (Theoretical-Practical): 2**

**ECTS:0**

This course is taught in Turkish Language and is continuation of Turkish Language I. The course contains intermediate grammatical rules of the language. Everyday practical use of the language. This course is for non-Turkish students.

## Second year

### Compulsory courses

#### **ARC 201. SUMMER PRACTICE AT ARCHITECTURAL STUDIO**

**Hours (Theoretical-Practical): 30 working days**

**ECTS:0**

This course makes students able to attend and professionally benefit from an architectural studio atmosphere. The student is expected to fully engage with the practice of a professional studio and get enough experience to be prepared for the after-graduation period.

#### **ARC 224. ARCHITECTURAL DESIGN II**

**Hours (Theoretical-Practical): 2+4**

**ECTS:8**

Studies for the identification of elements of architectural design and the development of sensitivity and awareness required for valid interpretations of natural and functional context. Semester project requires from students to provide design solution for single residential unit. Lectures and practical sessions will deal with

Analysis of a project brief.

Site Recording and Analysis

Context

Design Response and Conceptual Development / Volumetric Analysis

Functional Planning

Aesthetics

Materials

#### **ARC 225. BUILDING CONSTRUCTION TECHNOLOGY II**

**Hours (Theoretical-Practical): 2+2**

**ECTS:5**

This course offers an introduction to the history, theory, and construction of basic structural systems as well as an introduction to energy issues in buildings. It emphasizes basic systematic and elemental behavior, principles of structural behavior, and analysis of individual structural elements and strategies for load carrying. The course also introduces fundamental energy topics including thermodynamics, psychrometrics, and comfort.

#### **ARC 206. THEORY OF STRUCTURES**

**Hours (Theoretical-Practical): 2+2**

**ECTS:5**

The behaviors and properties of structural steels. Principles of steel structural design. Design methods of steel structures emphasizing load and resistance factor design. Design procedures and specifications of steel members subjected to tension, compression, flexure and torsion. Composite steel-concrete design and construction. Design building codes and seismic provisions of steel structures. It covers following topics Principles of structural design, Steel and properties, Steel and properties, Tension members, Tension members, Compression members: Columns, Compression members: Columns, Midterm, Structural fasteners, Welding, Beams, Combined bending and axial load, Connections, Composite steel-concrete construction.

#### **ARC 208. BUILDING MATERIALS**

**Hours (Theoretical-Practical): 2+2**

**ECTS:5**

By the end of the course, students are expected to: - recognize and analyze different

construction systems, - distinguish between different materials and their structural specifications, - be familiar with prevailing and new building materials, their application methods, - be capable of drawing a system detail in 1/20 scale with basic principles of interfaces. It covers following topics:

Foundations, Earth materials, geotextiles, drainage, piles, diaphragms  
Wood, Wood products, plastic lumber, wood fasteners, glued laminated timber  
Wood Heavy timber frame, light frame, interior and exterior finishes  
Brick masonry Mortar, brick  
Stone and concrete masonry, Stone, Stone masonry and Concrete masonry units, Masonry wall  
Waterproof and thermal insulations (rock wool, glass wool, polystyrene, polyurethanes...)  
Concrete, Cement, Reinforcing  
Mid-term Examination  
Precast and site cast concrete Prestressed elements, joining, casting concrete, Lightweight concrete  
Steel Material, steel framing, fireproofing  
Roofing and roofing materials application  
Cladding, Flooring, Suspended Ceilings  
Exterior wall systems, Interior finishes, walls, partitions, gypsum systems

### **ARC 216. HISTORY OF ART AND ARCHITECTURE I**

**Hours (Theoretical-Practical): 2+2**

**ECTS:4**

By the end of the course the student is expected to have a basic chronological sense of major architectural developments and be able to recognize and rationalize changes in form and material with a contextual approach. It covers following topics:

Art in world history, introductory remarks.....Purpose of art .....The beginnings of art: Prehistory - the Stone Age

Art and Architecture in "time-cut" 3500 BCE

Art and Architecture in "time-cut" 2500 BCE

Art and Architecture in "time-cut" 1500 BCE

Art and Architecture in "time-cut" 800 BCE

Art and Architecture in "time-cut" 400 BCE

Art and Architecture in "time-cut" 0- Beginning of the new era

Art and Architecture in "time-cut" 200 CE

Art and Architecture in "time-cut" 400 CE

Art and Architecture in "time-cut" 600 CE

Art and Architecture in "time-cut" 800 CE

Art and Architecture in "time-cut" 1000 CE....Art and Architecture in "time-cut" 1200 CE / Intro

### **ARC 234. ARCHITECTURAL DESIGN III**

**Hours (Theoretical-Practical): 2+4**

**ECTS:8**

Design of office buildings in relation to their particularly urban context is emphasized. Issues of settlement-dwelling relationships, buildings of functional complexity and spatial variety and architectonic interpretations of structural systems are analyzed and designed.

Design - Context

Design - Context (Public building; Commercial and Office buildings, Site)

Design - Need (Office buildings design: Workspaces planning – relationships and sizes)

Design -Need (Office buildings design: Other areas planning - ancillary, support, social, service; circulation / communications)

Design: Need - Form (Office buildings design: disposition, typology)

Design - Form

Design - Form

Design solutions: material

Design solutions: structure

Design solutions: light

## **ARC 209. BUILDING ELEMENT DESIGN**

**Hours (Theoretical-Practical): 2+2**

**ECTS:4**

Building Element Design encompasses all of the issues and programs and is an essential way of approaching building projects. Understanding Building Element Design concepts will enable students to think and practice in an integrated fashion to meet the demands of today's as well as tomorrow's high-performance building projects. Topics:

Introduction to Building Element Design

Structural analysis and structural loads, building codes, load combinations

Loads on Roof structures (designing the roofs)

Loads on Roof structures (designing the roofs)

Loads on structural walls, partition walls and their load (designing the walls)

Loads on the slabs (designing the slabs)

Designing the frame elements (columns)

Designing the frame elements (beams)

Designing the foundations (shallow)

Designing the foundations (deep)

Structural analysis for the entire building (load transfer through the elements)

Structural analysis for the entire building (load transfer through the elements)

Technical reports and their importance

## **ARC 209. ENVIRONMENTAL CONTROL STUDIO**

**Hours (Theoretical-Practical): 2+2**

**ECTS:7**

Students will be provided with knowledge on aspects of building environment controls related to architectural planning and design. Aspects on comprehensive fire prevention and control; and influence of building materials with respect to pollution, environmental degradation will be discussed. Topics:

- Course Introduction. Architectural form as an environmental control system. CLIMATE as an context.
- DESIGN STRATEGIES Streets. Open spaces. Buildings.
- DESIGN STRATEGIES Buildings. Zoned organizations. Location. Rooms and courtyards. Size and shape. Walls .Roofs. Floors. Windows.
- The Luminous Environment Fundamentals of LIGHT Lighting and human failings. Lighting in Cultural and Art Centers. Daylighting. Electric lighting.
- ACOUSTICS Design Fundamentals of Sound. Noise isolation and control.
- RENEWABLE TECHNOLOGIES. Low energy techniques for housing. Advanced and ultra-low energy houses.
- Sustainable design. Solar architecture. PASSIVE SYSTEM. Passive house.
- EXISTING housing: a challenge and opportunity. STUDENTS

PRESENTATIONS A brief overview of one example from practice. /  
Renewable technologies , Passive design etc. /

- HVAC System VENTILATION. Natural Ventilation HVAC : VENTILATION
- HVAC: HEATING & COOLING SYSTEMS Indoor Air Quality - IAQ
- Energy sources. Water in Architecture WATER + Waste
- Energy code. WIND and air movement
- Building design and energy strategies

### **ARC 226. HISTORY OF ART AND ARCHITECTURE II**

**Hours (Theoretical-Practical): 2+2**

**ECTS:4**

This course is organized around individual monuments, each making or reinforcing points about how principles and ideas behind civilization and architecture in the West (1750 – 1960) were shaped by ideas behind capitalism, nationalism, scientific materialism, socialism, and manifested in shifts of style from historicist revivals to minimalist design.

### **ARC 257. STEEL STRUCTURES**

**Hours (Theoretical-Practical): 2+2**

**ECTS:4**

This course is organized around individual monuments, each making or reinforcing points about how principles and ideas behind civilization and architecture in the West (1750 – 1960) were shaped by ideas behind capitalism, nationalism, scientific materialism, socialism, and manifested in shifts of style from historicist revivals to minimalist design.

### **Third Year Courses**

#### **Compulsory courses**

### **ARC 301. SUMMER PRACTICE AT CONSTRUCTION SITE**

**Hours (Theoretical-Practical): 30 working days**

**ECTS:0**

Building construction procedures and techniques and active participation in construction work. The student can engage in archaeological site work with the approval of the Department.

### **ARC 327. ARCHITECTURAL DESIGN IV**

**Hours (Theoretical-Practical):2+4**

**ECTS:7**

The course establishes foundations for architectural design of multifamily housing engaging issues of space, organization, circulation, use, structure and material. The focus of this course is integration of basic architectural elements and conceptual spatial strategies into larger architectural structures with complex urban, social, cultural and economic characteristics. The topic of housing is treated from a wide range of perspectives: urban context, spatiality and form, functionality and aesthetics.

### **ARC 325. REINFORCED CONCRETE STRUCTURES**

**Hours (Theoretical-Practical):2+2**

**ECTS:5**

Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

### **ARC 325. ARCHITECTURAL DESIGN V**

**Hours (Theoretical-Practical):2+6**

**ECTS:5**

The course aims to introduce students to the issues of designing public buildings of complex layouts, through the series of lectures, discussions, workshops and continual work in studio. In the context of topic of studio work - designing an embassy building, the issues of identity in architecture, "universal" and "regional", specific architectural themes and elements that are used to transfer the image of identity, are discussed. Informative review of various types of buildings related to culture, art and education is given in the context of the studio work, i.e., in regard with designing possible additional facilities to embassy building (an exhibition halls, multimedia or conference room, library, etc.) Students become familiar with some of the latest technologies and materials, sometimes used in contemporary design practice as crucial elements of architectural concept. Within this framework a creative approach towards the architectural structure is encouraged as well. In order to experience more "realistic" approach to design, the students of final year of undergraduate program are also encouraged to explore the detail in architecture within this course. As inevitable aspect of contemporary design, the concept of sustainability is introduced and its basic principles explained.

### **ARC 362. SENIOR DESIGN PROJECT**

**Hours (Theoretical-Practical):0+6**

**ECTS:5**

Office organization, financial aspects and the legal framework of the professional with emphasis on relation with project preparation and construction practice. Management aspects of the architectural practice will be dwelt on through information on professional and administrative bodies; economic and financial policies, project and construction management, as well as collaborations with other professions.

### **Technical Electives**

#### **ARC 333. INTRODUCTION TO DETERIORATION AND CONSERVATION**

**Hours (Theoretical-Practical):2+2**

**ECTS:5**

An introduction to conservation of the built environment; essence of conservation and preservation; simple methodology to identify critical assessment; and cultural significance of a material, building object or group of buildings. It covers following topics:

- Concept of heritage preservation: basics
- Concepts in conservation
- Concepts in conservation
- Concepts in conservation
- Conservation practice: Methodology of conducting conservation - restoration projects Survey and analyses
- Doctrine of architectural conservation
- Preservation methods; degree of intervention
- Mid-term (Project :midterm presentation)
- Introduction to restoration techniques
- Conservation practice: Case studies, Rehabilitation



- Conservation practice: Case studies, Conservation and restoration
- Conservation practice: Methodology of conducting conservation - restoration projects Project Solutions
- Case studies : Preservation methods Student's presentations. Concluding Remarks (+Notes: Protection services and legislation in the field of heritage

### **ARC 311. ADVANCED MEASURING METHODS**

**Hours (Theoretical-Practical):2+2**

**ECTS:5**

Measuring method are necessary to develop every design project. The methods of making a thorough measured and descriptive survey of a building by means of various techniques and instruments are given in a series of lectures. Practical exercises are carried out on the site. The methods of making a thorough measured and descriptive survey of a building by means of various techniques and instruments are given in a series of lectures. Practical exercises are carried out on the site.

### **ARC 303. CITY PLANNING AND URBAN DESIGN**

**Hours (Theoretical-Practical):2+2**

**ECTS:5**

The concepts of: settlement, urbanization, planning; subjects of the contemporary city planning, the legal dimension of planning. Course intends to:

- Demonstrate a systematic and critical understanding of the theories, principles and practices of City Planning and Urban Design
- Critical review of the city development and urban planning
- Understanding of the development of Cities/Towns through History: Background, Concept, Genesis, Postulates, Principles, Criteria
- Critically review of social, economic, environment, religion and cultural roles of the city/town development
- Creatively application of the knowledge in the research and analysis work
- Understanding of the Contemporary approaches in the City development and urban planning
- Demonstrate a systematic and critical understanding of street and squares, public and stationary traffic, infrastructure, waste management, zoning of the cities
- Basic understanding of basic sustainable urban planning and green cities gradation, dominance, balance, unity.
- Basic understanding of collaboration between Urban, Peri Urban and Rural
- Demonstrate skills to actively participate in the presentation and peer review and constructive communication with colleagues.

### **ARC 324. ARCHITECTURE AND CITY**

**Hours (Theoretical-Practical):2+2**

**ECTS:5**

This course will explore how we learn about the architecture and the city. At the interface of art, architecture, urban design and landscape, between urban and curatorial practice, the students will get acquainted with the ways how we read, explore and interpret the architecture and the city. The major focus will be on the physical form, through architectural and urban history, theory, typologies and representation in art and mass media, questioning the possibilities that the display of architecture and city opens in the creation of knowledge and urban culture.

This general education course will introduce some key ideas drawn from interdisciplinary studies. Its core aim is to raise students' interests in encountering and imagining urban space through different ways. The lectures are divided into four parts:

**The shape of the city.** The first part introduces how cities are conceptualized and how their historical development is understood; this is an introductory section familiarizing the class with the issues to be covered in the course.

**Urban theories.** In the second part, key topics concerning urban theories, restructuring and transformation will be discussed; we will look at some dominant factors influencing urban form and urban culture.

**City representation: literature, painting, film. Mass Media.** The third section will explore the relationship between cultural productions (the visual arts, novels, poems, essays, film, architecture and urban planning) and the context within which they were produced. We will discuss how paintings, novels and movies express the individual experience of urban condition, and how they in turn shape the individual's expectations of those experiences. The presence of architecture and city in publicity and mass media will be analyzed as a part of urban branding and destination creation.

**City on display: City museums and urban curating.** The fourth section concerns the multiple ways through which we encounter and interact with the city. It takes 'practices' – urbanistic, artistic, curatorial, everyday - as ways of 'reading' and explores the possibilities of their enhancing through the activities of city museums and urban curating.

The course will be concluded by class presentations and discussions.

### **ARC 307. DESIGN OF STEEL STRUCTURES**

**Hours (Theoretical-Practical):2+2**

**ECTS:5**

Principles, analysis and methodologies for conceptual and detailed design of steel structures. Emphasis on the role of mechanics in modern structural engineering design specifications with a focus on load and resistance factor design. Topics include behavior and design of hot-rolled and cold-formed steel: connections, members, frames and advanced analysis techniques. Principles of basic design concepts. Definition of loads (dead, live, wind, snow and earthquake loads). Material characteristics of steel. Behavior of individual elements, tension members, compression members, beams and columns. Types and behavior of connections, connection design and details. Use of steel in architectural design. Behavior and analysis of large span steel structures.

### **ARC 313. BUILDING CONSTRUCTION MANAGEMENT AND ECONOMICS**

**Hours (Theoretical-Practical): 3**

**ECTS:5**

Organizational/Personnel Management work study and production processes. Industrial Psychology. Application of computers in Construction Management Techniques of time and motion studies.

### **Non-Technical Electives**

### **BUS 361. LEADERSHIP**

**Hours (Theoretical-Practical): 3****ECTS:3**

This course develops a working knowledge of leadership theory and practice. The student will also develop self-knowledge of his or her leadership philosophy and preferred leadership styles along with a skill for successful analysis of cases involving leadership.

**BUS 333. CONSUMER BEHAVIOUR****Hours (Theoretical-Practical): 3****ECTS:3**

The purpose of this course is to explore basic concepts of consumer behavior. As well as covering subjects such as perception, learning, motivation, values, personality, attitudes, decision making and cultural issues in the classroom environment, real life examples of consumer behaviour problems will be discussed with industry professionals. Students are expected to present a case from a real life consumer behavior problem in the classroom.

**BOS 101. Bosnian Language I****Hours (Theoretical-Practical): 2 (2-0)****ECTS: 0**

This course provides Basic communication skills such as understanding and speaking in Bosnian language by understanding the structure of Bosnian language on starter level.

**BOS 102. Bosnian Language II****Hours (Theoretical-Practical): 2 (2-0)****ECTS: 0**

This course provides Basic communication skills such as understanding and speaking in Bosnian language by understanding the structure of Bosnian language on beginner level.

**TDE 191. Turkish Language I****Hours (Theoretical-Practical): 2 (2-0)****ECTS: 0**

This course provides Basic communication skills such as understanding and speaking in Turkish language by understanding the structure of Turkish language on starter level.

**TDE 192. Turkish Language II****Hours (Theoretical-Practical): 2 (2-0)****ECTS: 0**

This course provides Basic communication skills such as understanding and speaking in Turkish language by understanding the structure of Turkish language on beginner level.

**BUS 105. Introduction to Law****Hours (Theoretical-Practical): 3 (2-1)****ECTS: 3**

This course gives a general overview of law and legal systems. It covers the nature and sources of law, court systems, and the substantive areas of constitutional law, contracts, torts, criminal law, contracts, agency, and property. This course is geared towards providing students with the basic knowledge of all aspects of the law, critical legal thinking, and a comparative approach to the civil and common law systems. This course is a prerequisite for all other Legal Studies courses.

**BUS 112. Fundamentals of Management****Hours (Theoretical-Practical): 3 (2-1)****ECTS: 3**

This course provides a thorough understanding of what is required to set up organization, motivate and manage your team successfully and provides clear structures and tools to enable you to do this. It will show you how to master the five key areas of modern management: Goal Setting; Effective Time Management; Performance Management; Motivating Your Team.

### **BUS 221. Marketing I**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

The purpose of this course is to cover subjects that relate to foundations of marketing management in modern business establishments. Topics to be taught in this course include definition and scope of marketing, marketing environment, managing marketing information, consumer and business buyer behavior, creating value for target customers, product, services and branding strategy, new product development and product life-cycle strategies, pricing products: Understanding and capturing customer value.

### **BUS 222. Marketing II**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

Marketing is a key function for all commercial and non-commercial organizations today. This course covers basic marketing subjects and gives students an opportunity to prepare a real life project through which they will have a chance to see how marketing is applied in real world. Basic topics to be covered in this course include pricing, supply chain management, retailing, wholesaling, advertising, personal selling and direct marketing.

### **ECO 101. Introduction to Economics I**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

Students will learn about essential principles of economics. They will learn how people, companies and governments should manage scarce resources in an effective way.

### **ECO 206. Macroeconomics**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

This course provides an overview of macroeconomic issues: the determination of output, employment, unemployment, interest rates, and inflation. Monetary and fiscal policies are discussed. Important policy debates such as, the sub-prime crisis, social security, the public debt, and international economic issues are critically explored. The course introduces basic models of macroeconomics and illustrates principles with the experience of the U.S. and foreign economies.

### **BUS 108. Business English**

**Hours (Theoretical-Practical): 3 (3-0)**

**ECTS: 3**

The course aims at developing fluency and accuracy in using Business English with the help of essential business content: basic structures and vocabulary, authentic reading and listening texts (e.g. newspaper articles, interviews, etc.), business reports and case studies. It covers the most important areas of management, production, marketing, finance and macroeconomics.

### **BUS 103. Introduction to Business**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

This course presents a balanced view of business; the strengths, weaknesses, successes, failures, problems, and challenges. It provides students a base for more advanced courses. The objective of this course is to provide students a clear and complete description of the concepts underlying business and illustrate the dynamism and liveliness of business organizations and people who operate them with real life examples.

**BUS 321. Production Management**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

The course includes topics such as systems, models and modelling approaches, decision analysis, certainty, risk and uncertainty conditions, linear programming, sensitivity analysis and transportation and assignment problems.

**BUS 114. Communication Skills**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

Communication skills are an essential element every employee and manager must have as part of their standard tool set. In this course, through interactive lectures, self-assessments, role-playing activities and video simulations, students gain practical experience passed on a flexible, genuine and self-confident approach. They also gain the skills to collaborate on written reports and oral presentations honing their communications skills

**BUS 324. Operations Research**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

Defining a problem, developing a model appropriate to a problem, obtaining the solution of the model, analyzing the results, testing and implementing the model.

**BUS 337. International Marketing**

**Hours (Theoretical-Practical): 3 (2-1)**

**ECTS: 3**

The purpose of this course is to introduce students with the concepts of international marketing. The course covers topics that pertain to marketing of goods and services in an international environment. Case studies and class discussions about the challenges of marketing in global environments will enhance student learning in this course. Some basic concepts covered in this course include regional market characteristics and preferential trade agreements, social and cultural environments, the political, legal and regulatory environments, importing, exporting and sourcing, global market entry strategies, brand, product and pricing decisions, global channel and communication decisions.

**EDU 135. Introduction to Education**

**Hours (Theoretical-Practical): 3 (3-0)**

**ECTS: 3**

The course looks at basic concepts in education and the bases of education as an academic discipline (philosophical, social, legal, psychological, economic and political principles). The course considers the historical development of education, methods in educational sciences, Turkish educational system and principles, the role of the teacher in the educational system, teaching as a profession and practices and developments in the field of teacher training.

**EDU 136. Educational Psychology**

**Hours (Theoretical-Practical): 4 (2-2)**

**ECTS: 3**

Educational Psychology focuses on how psychological theory and concepts can be understood and inform effective classroom practices. Topics include cognitive and social development, theories of motivation and learning, classroom management, individual and group differences and student assessment. Attention will be directed toward the nature and conditions of learning, critical aspects of learning and the problems encountered in fostering and directing learning.

**EDU 235. Teaching Principles and Methods**

**Hours (Theoretical-Practical): 4 (2-2)**

**ECTS: 3**

Basic concepts related to instruction, principles of learning and instruction, the importance and utilities of planned steps in instruction, planning instruction (yearly, weekly lesson plans), learning and instruction strategies, instructional methods and techniques, making a linkage between these methods, techniques and the practice, instructional materials, the roles and responsibilities of the teachers in enhancing the quality of instruction, competencies of teacher.

**EDU 236. Instructional Technology and Material Design**

**Hours (Theoretical-Practical): 4 (2-2)**

**ECTS: 3**

With a great deal of investment being put into outfitting schools with technology, the question of whether or not it is worth the investment is a valid one. Ongoing developments in technology necessitate to build a bridge between education and technology use actively in classroom. This course aims to provide an understanding that necessity and solutions. Latest developments for that integration goal will be introduced and students will be guided to prepare practical use of technological skills through in-class activities and assignments.

**EDU 335. Classroom Management**

**Hours (Theoretical-Practical): 2 (2-0)**

**ECTS: 3**

One of the major challenges teachers face in their practice is classroom management. When a teacher does not have essential management skills, effective instruction may not occur in the classroom. In this course you will learn to create a productive learning environment.

**EDU 336. Measurement and Evaluation**

**Hours (Theoretical-Practical): 4 (2-2)**

**ECTS: 3**

Concepts of measurement and evaluation, classroom test construction, creation and use of derived scores, selection and use of published measurement instruments, alternative assessment, and current issues will be covered in the course.

**EDU 435. Guidance and Counseling**

**Hours (Theoretical-Practical): 4 (2-2)**

**ECTS: 3**

The aim of this course is to give you the knowledge and skills necessary to become a qualified guidance and counselling. Guidance promotes personal, social, educational and vocational development in individuals.

**EDU 436. Educational System and School Management in Europe**

**Hours (Theoretical-Practical): 3 (3-0)**

**ECTS: 3**

EDU 436 course examines the cultural values and historical developments which have shaped schooling in EU. The syllabus focuses mainly on the educational system in the leading European countries but also compares educational systems in

Europe, Asia and the USA. As well as exploring education from kindergarten to university in Europe, students are placed in elementary schools in Europe to teach one hour of English per week. The course combines the theoretical aspects of teaching at the same time as providing students with the chance to teach.