T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

COURSE IDENTIFICATION FORM

Course Code and Name: MIM 101 BUILDING THEORY I				**Department of :** Architecture			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	4	4	8	6	8	Turkish	Compulsory

Prerequisite (s)		
Instructor	Assist. Prof. Necla Seval BAYRAM	**Mail :** nsevalerdem@gmail.com **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes		
Course Aim	- To teach students the basic principles and concepts of the discipline of architecture, to develop design thinking and methods, and to develop creative and critical thinking skills in architectural projects. It gives students the opportunity to take the first steps of the architectural design process and understand the basic design principles.	
Course Goals	-To provide students with basic competencies such as analyzing environments at different scales, concept development, visual communication and presentation skills. - Learning the basic tools used in architectural practice. - Helping students to critically evaluate their own design processes and generate creative solutions. - Provides an important foundation for students to prepare for more complex design projects in the later stages of their architectural education.	
Course Learning Outs and Proficiencies	-Understanding the basic principles of architectural design, concepts such as scale, proportion, balance, rhythm, movement, space, light - To have the ability to express architectural ideas visually. -To have the ability to visualize conceptual design using tools such as drawing, sketching and modeling. -Gaining the ability to evaluate design decisions in a spatial context by analyzing environmental factors and the characteristics of space. - To be able to present design ideas effectively and develop communication skills.	
Course Basic and Auxiliary Contexts	● Angelil, M., Hebel, D., Deviations: Designing Architecture, a Manual (Basel: Birkhauser, 2008) ● Bielefeld,B., Adım Adım Tasarım Fikirleri (Basel: Birkhauser. 2007) ● Itten J., Design and Form -The Basic Course at the Bauhaus and Later (NY:Van Nostrand Reinhold Company, 1976 ● Ching, F. D. (2014). Architecture: Form, space, and order. John Wiley & Sons ● Gombrich E.H., The Story of Art, Phaidon Press, London,1995	

	● Karatani, K., Kohso, S., & Speaks, M. [1995]. Architecture as Metaphor Language, Number, Money. ● Farshid Moussavi, The Function of Form, 2009 ● Andrea Deplazes [ed.], Constructing Architecture: Materials, Processes,Structures, a Handbook, Birkhäuser, 2005 ● John Berger, Ways of Seeing, 1995 (Berger, J., Görme Biçimleri,çev. Yurdanur Salman, Metis Yayınları, 1995) ● Janson,A., Tigges,F. Fundamental Concepts of Architecture:The Vocabulary of Spatial Situations,Birkhäuser, Basel, 2014 ● Juhani Pallasmaa, The Eyes of the Skin (Pallasmaa, J., Tenin Gözleri: Mimarlık ve Duyular, çev.Aziz Ufuk Kılıç, YEM Yayın, 2011) ● Allen, S., Practice - Architecture, Technique and Representation: Revised and Expanded Edition 2nd Edition, Routledge, 2009 ● Cook, P., Drawing: The Motive Force of Architecture, Architectural Design Primer, John Wiley & Sons, 2014 ● Lassaeau, P., Graphic Thinking for Architects and Designers, New York: Van Nostrand Reinhold, (Other References) 2001 ● Lasseau, P., Freehand Sketching: An Introduction, W.W. Norton and Co., New York, 2004 ● Lynton, N., The Story of Modern Art, Phaidon Press London, ISBN:978-07148242, 1994 ● Tschumi, B. (1996). Architecture and disjunction. MIT press. ● Garcia, M. (ed.) The Diagrams of Architecture -AD, John Wiley & Sons, 2010. ● Spiller, N. (ed.) Drawing Architecture - AD, Volume 83, No 5, Architectural design profile 225, John Wiley & Sons, 2013. 26. ● Spiller, N. (ed.) Celebrating the Marvellous: Surrealism in Architecture -AD John Wiley & Sons, Oxford, 2018.
Methods of Give a Lecture	Face to face

		If Available, to Sign (x)	General Average Percentage (%) Rate
Assessment Criteria	**1. Quiz**	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		

COURSE IDENTIFICATION FORM			
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	Subjects
1	- Introduction to design; the concept of design, design: process, method.
2	- Point/Line/Surface/Volume
3	- Design principles. Gestalt principles. Shape / Ground relationship.
4	- Design principles (Balance principle)
5	- Design principles (Unity Principle)
6	- Appropriateness Principle
7	- Surface
8	- Surface Color/Texture/Light
9	- Volume Occupancy/Empty
10	- Volume Occupancy/Empty
11	- Volume Occupancy/Empty
12	- Rate/Scale. Circulation
13	- Space Organization
14	Final project submission

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

Course Code and Name: MIM 102 BUILDING THEORY II				**Department of :** Architecture			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	4	4	8	6	8	Turkish	Compulsory
Prerequisite (s)	MIM 101 BUILDING THEORY I						
Instructor	Assist. Prof. Necla Seval BAYRAM					**Mail :** nsevalerdem@gmail.com **Web :**	
Course Assistant						**Mail :** **Web :**	
Groups / Classes							
Course Aim	- It is aimed to provide the student with the skills of evaluating the concept of space, thinking systematically, expressing what he / she thinks, evaluating problems from different perspectives and developing multi-faceted solution proposals on a project he / she has designed.						
Course Goals	- To analyze the environmental components that affect the design and to establish the right relationships. - To comprehend the effect of natural environmental data on architectural design. - To comprehend the effect of built environment on architectural design at city and building scale. - To comprehend the effect of social environment on architectural design. - To develop the ability to solve the problems of an architectural design area at urban and building scale.						
Course Learning Outs and Proficiencies	- Have the ability to design and manage projects. - Applies the relationship between concept and context in design. - Analyzes the environmental, social, climatic and cultural data affecting the design						

	and transfers them to the design correctly. - Knows how to establish physical environment and human interaction. - Has the ability to use basic information about user needs, anthropometry-human measurement in design. - Have the ability to prepare posters and make presentations.
Course Basic and Auxiliary Contexts	• Angelil, M., Hebel, D., Deviations: Designing Architecture, a Manual (Basel: Birkhauser, 2008) • Bielefeld,B., Adım Adım Tasarım Fikirleri (Basel: Birkhauser. 2007) • Itten J., Design and Form -The Basic Course at the Bauhaus and Later (NY:Van Nostrand Reinhold Company, 1976 • Ching, F. D. (2014). Architecture: Form, space, and order. John Wiley & Sons • Gombrich E.H., The Story of Art, Phaidon Press, London,1995 • Arcan, E.F., Evci, F., Mimari Tasarıma Yaklaşım, Bina bilgisi çalışmaları, İstanbul, 1999. • Neufert, E., Architects Data, London, 2000 • Calendar, J., Chıara,J.D., Tıme Saver Standards, New York, 1980. • Mills, E.D.,Planning:The Architects Handbook, London, 1985. • Sanoff, H., School Design, New York, 1994. -Francis, D.K.C., Mimarlık (Biçim, Mekan ve Düzen), İstanbul, 2002. Kulaksızoğlu, E., Endüstrileşmiş Binalarda Mimari Planlama Araştırması, İstanbul, 1980.
Methods of Give a Lecture	Face to face

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	- Architectural design stages; Analysis, synthesis, evaluation. Plan and planning process in architecture. Examination of evaluation criteria in architectural design. Building needs program, function scheme, spatial analysis. Environmental factors in architectural design
2	- Ergonomics, basic human dimensions, space and basic furniture dimensions. Circulation and transition area distances. Dimensions of equipment elements

3	- Housing Concept and Properties, Physical, Socio-cultural and Economic Factors Affecting Housing Design, Housing Interiors: Application: Bathroom drawing 1/20
4	- Residential Interiors: Kitchen drawing 1/20
5	- Residential Interiors: Sleeping Spaces drawing 1/20
6	- Residential Interiors: Entrance, Service and Common Areas drawing 1/20
7	- Midterm exam
8	- Educational structures, general review
9	- Cultural buildings, general review
10	- Transportation structures, general review
11	- Health structures, general review
12	- Tourism structures, general review
13	- Sports structures, general review
14	- Final project submission

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

COURSE IDENTIFICATION FORM	
Course Code and Name: MIM 105 - STATICS AND STRENGTH	**Department of :**

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	3	0	3	3	3	Turkish	Optional

Prerequisite (s)		
Instructor	Assoc. Prof. Berivan YILMAZER POLAT	**Mail :** bpolat @munzur.edu.tr **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes	1	
Course Aim	Teaching the basic principles of mechanics to students	
Course Goals	basic concepts and principles, a point that intersects the plane forces, moments, and the concept of a pair of force, the general status of forces in the plane, plane trusses, centroids, moments of inertia, the classification of external forces, delivery systems and support reactions, cables and friction investigation and analysis of samples. The basic concepts of strengths of materials, drawing diagrams of bending moment, shear and axial forces, normal force status, shear state bending, moments of inertia, parallel axis theorem state, state of torsional bending and examination with examples of situations.	
Course Learning Outs and Proficiencies	• Knows the basic principles of statics, vectors, methods of summing vectors, and the separation of a vector into components • Understands the plane system of forces • Solve two-dimensional equilibrium problems by applying static equilibrium conditions. • Learns the determination of reactions in supports and ties of a two-dimensional system, equilibrium of two and three-dimensional rigid bodies, statically indeterminate reactions missing ties, bodies in equilibrium under the action of two forces and three forces, and calculation methods.	

	• Learns the centers of gravity of distributed forces, finding the centers of gravity of lines, areas, and volumes by integration and application of Pappus-Guldinus theorems. • Moments of inertia of fields, polar moment of inertia, parallel axes theorem, finding the moment of inertia of a field by integration. learns • Understands rod forces. • Learns about internal forces and stresses.
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.
Methods of Give a Lecture	Face to face

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		

COURSE IDENTIFICATION FORM			
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	Definitions, free drawing diagram, Force, moment, loads, support conditions, equilibrium conditions.
2	Vectors. Plane system of forces. Addition and multiplication of vectors, Separation of a vector into components. Finding the resultant of forces by analytical method.
3	Equilibrium of a material point. Problem Solutions.
4	Equilibrium of a two dimensional rigid body. Equilibrium of a body under two forces.
5	Distributed forces center of gravity.
6	Center of gravity of a two-dimensional body. Centers of gravity of areas and lines. Finding the centers of gravity by integration.
7	Moments of inertia of fields.
8	Lattice systems. Formation of truss systems. Tensile-Compression Elements.
9	Midterm Exam
10	Drawing of bar forces and cross-sectional influence diagrams. Finding normal force, shear force, bending and torsion moment.
11	Internal forces and stress state, uniaxial and plane stress state, determination of principal normal stresses and values of maximum and minimum shear stresses.
12	Finding principal axes and principal moments of inertia with the help of Mohr's circle
13	Mechanical properties of materials, stress-strain relations, Hooke's Law
14	Problem Solving

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

Course Code and Name: MIM 105 - STATICS AND STRENGTH				**Department of :**			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	3	0	3	3	3	Turkish	Optional
Prerequisite (s)							
Instructor		Assoc. Prof. Berivan YILMAZER POLAT				**Mail :** bpolat @munzur.edu.tr **Web :**	
Course Assistant						**Mail :** **Web :**	
Groups / Classes		1					
Course Aim		Teaching the basic principles of mechanics to students					
Course Goals		basic concepts and principles, a point that intersects the plane forces, moments, and the concept of a pair of force, the general status of forces in the plane, plane trusses, centroids, moments of inertia, the classification of external forces, delivery systems and support reactions, cables and friction investigation and analysis of samples. The basic concepts of strengths of materials, drawing diagrams of bending moment, shear and axial forces, normal force status, shear state bending, moments of inertia, parallel axis theorem state, state of torsional bending and examination with examples of situations.					
Course Learning Outs and Proficiencies		• Knows the basic principles of statics, vectors, methods of summing vectors, and the separation of a vector into components • Understands the plane system of forces • Solve two-dimensional equilibrium problems by applying static equilibrium conditions. • Learns the determination of reactions in supports and ties of a two-dimensional system, equilibrium of two and three-dimensional rigid bodies,					

	statically indeterminate reactions missing ties, bodies in equilibrium under the action of two forces and three forces, and calculation methods. • Learns the centers of gravity of distributed forces, finding the centers of gravity of lines, areas, and volumes by integration and application of Pappus-Guldinus theorems. • Moments of inertia of fields, polar moment of inertia, parallel axes theorem, finding the moment of inertia of a field by integration. learns • Understands rod forces. • Learns about internal forces and stresses.
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.
Methods of Give a Lecture	Face to face

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		

	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	Definitions, free drawing diagram, Force, moment, loads, support conditions, equilibrium conditions.
2	Vectors. Plane system of forces. Addition and multiplication of vectors, Separation of a vector into components. Finding the resultant of forces by analytical method.
3	Equilibrium of a material point. Problem Solutions.
4	Equilibrium of a two dimensional rigid body. Equilibrium of a body under two forces.
5	Distributed forces center of gravity.
6	Center of gravity of a two-dimensional body. Centers of gravity of areas and lines. Finding the centers of gravity by integration.
7	Moments of inertia of fields.
8	Lattice systems. Formation of truss systems. Tensile-Compression Elements.
9	Midterm Exam
10	Drawing of bar forces and cross-sectional influence diagrams. Finding normal force, shear force, bending and torsion moment.
11	Internal forces and stress state, uniaxial and plane stress state, determination of principal normal stresses and values of maximum and minimum shear stresses.
12	Finding principal axes and principal moments of inertia with the help of Mohr's circle
13	Mechanical properties of materials, stress-strain relations, Hooke's Law
14	Problem Solving

COURSE IDENTIFICATION FORM

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

Course Code and Name: MIM 106 STRUCTURAL ANALYSİS				**Department of :**			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	3	0	3	3	3	Turkish	Optional
Prerequisite (s)							
Instructor		Assoc. Prof. Berivan YILMAZER POLAT				**Mail :** bpolat @munzur.edu.tr **Web :**	
Course Assistant						**Mail :** **Web :**	
Groups / Classes		1					
Course Aim	Analysis of statically determinate frame structures; Analysis of statically indeterminate framed systems via Cross Method, Load analysis from slabs to beams and columns; Brief information about ductile structural system design in earthquake prone regions; Understanding rebar positions and locations in RC structures; Give size to beams and columns in RC, steel and wooden structural systems						
Course Goals	Progress in structural systems from past to present and diversity of structural systems; The structural analysis of statically determinate concrete, steel and wooden systems; The structural analysis of statically indeterminate structural framed systems via Cross Method; Resistance to gravity (dead loads) and lateral loads (wind, earthquake); Load analysis; and slab, beam, column sizing in frame systems of steel, concrete and wooden structures; Stiffness and ductility concepts; Schematic normal, shear forces and moment diagram drawings and determination of rebar positions.						
Course Learning Outs and Proficiencies	• To analyze the determinate/indeterminate RC, steel and wooden framed structures • To learn the analysis of indeterminate structures via Cross method and dimensionnig • To determine gravity and lateral loads in RC, steel and wooden framed						

	structures. To understand the load distribution from slab to beams, and from beams to columns. • To gain knowledge about stiffness and ductility of structures and members • To comprehend structural behaviour, connections (welding, bolting in steel structures; rebar positions in RC structures)
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.
Methods of Give a Lecture	Face to face

		If Available, to Sign (x)	**General Average Percentage (%) Rate**
Assessment Criteria	**1. Quiz**	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		

	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	Framed structures with RC, steel and wooden materials from past to present
2	Statical analysis of statically framed structures and internal force/moment diagrams, Homework 1
3	Statical analysis of statically framed structures (cont.) , Homework 2
4	Schematical moment diagrams due to gravity and/or lateral loads, schematical rebar positions in RC beams and columns, Quiz 1
5	Cross method for indeterminate framed structures and exercises, Homework 3
6	Cross method for indeterminate framed structures (cont.), exercises, Homework 4
7	Cross method for indeterminate special framed structures (cantilevers, symmetrical systems), Homework 5
8	Midterm 1 / Practice or Review
9	Slab types, load analysis in slabs
10	Loading distribution to beams and columns from slabs, equivalent framed systems, Homework 6
11	Moment of inertia, stiffness, ductility concepts and load exercises in RC, steel and wooden systems
12	General exercises on the framed structures, Homework 7
13	Problems
14	Problems

Course Code and Name: MIM108-Structure information I				**Department Name:** Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Fall	3	2	5	4	4	Turkish	Required
Prerequisites of Course	-						
Course Instructor	Prof. Dr. Murat DAL			**Mail :** muratdal@munzur.edu.tr **Web :**			
Teaching Assistant				**Mail :** **Web :**			
Groups /Classes							
The Aims of Course	• It is aimed to introduce masonry building detailing and application principles and construction methods.						
Course Objectives							
Learning outcomes of Course	• Ability to conduct research in the field of masonry design and reflect the data obtained as a result of analysis into the design. • To have the theoretical knowledge necessary for masonry construction systems and transferring them to design. • Ability to identify, analyze and synthesize masonry structures. • Having knowledge about masonry construction systems and the necessary theories and methods to transfer them to design. • Having both theoretical and practical knowledge in masonry structure design and being able to offer solution suggestions.						
Textbooks and /or Other Required Materials	• Ching, F.D.K., (2001). Building Construction Illustrated, John Wiley & Sons, New York.						

	• Türkçü, Ç., (2002). Yapım, Birsen Yayınevi, İstanbul. • Eldem, S. H., (2001). Yapı, Birsen Yayınevi, İstanbul. • Kızıl, F., Şahinler, O., 2oo4, Mimarlıkta Teknik Resim, Yapı Yayın, İstanbul. • Ching, F.D.K., 2008, Çizimlerle Bina Yapım Rehberi, YEM Yayınevi, İstanbul. • Ching, F.D.K., Onovye, B.S., Zuberbuhler, D., 2013. Çizimlerle Taşıyıcı Sistemler, MAS Matbaacılık AŞ., İstanbul. • Özcan, K., 2000, Yapı, Bilim Yayınları, İstanbul. • Güner, S., Yüksel, A., 2001, Yapı Teknolojisi I-II, Aktif Yayınevi, İstanbul. • Çatı Kaplama Malzemeleri Uygulama Detayları Kılavuzu, 2007, Çatı Sanayici ve İş adamları Derneği, İstanbul. • Deplazes, A. 2005, Constructing Architecture a Handbook, Birkhauser Verlag AG, Germany. • Macdonald, A.J., 1997, Structural Design For Architecture, Reed Educational and Professional Publishing Ltd., Great Britain . • Baker, N.V., 2009, The Handbook of Sustainable Refurbishment, RIBA Publishing., Great Britain . • Neufert, E., 2000, Yapı Tasarımı, Beta Basın Yayım, İstanbul. • Sleeper, R.,2000, Architectural Graphic Standarts, John Wiley&Sons Ltd. • Angel, H.,2004, Strüktür Sistemleri, Tasarım Yayın Grubu, İstanbul. • Demiraslan, Ü., 2005, İnce Yapı Tasarlama İlkeleri ve Uygulama Yöntemleri, İstanbul. Erten, E., 2014, Mimarlıkta Yapı Yapım, Birsen Yayınevi, İstanbul.
Teaching Methods	• Face to face • After basic information is given by the course instructor, students will make applications in the form of drawings and homework to reinforce the subject in the workshop. In parallel, after a certain level of knowledge is reached, an individual study will be carried out under the supervision of group managers, in which elementary knowledge will be integrated.

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

COURSE IDENTIFICATION FORM

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

Course Code and Name: MIM 109 ARCHITECTURAL TECHNICAL DRAWING				Department of :			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	2	2	4	3	4	Turkish	Optional
Prerequisite (s)							
Instructor		Assoc. Prof. Berivan YILMAZER POLAT				**Mail :** bpolat @munzur.edu.tr **Web :**	
Course Assistant						**Mail :** **Web :**	
Groups / Classes		1					
Course Aim	The most widely used in architecture conjugate of the projection perpendicular to the linear narrative tool, teaching the three-dimensional ideas of telling in projections, given projections of three-dimensional shapes to design the ability to gain and to inform students about the standards of architectural drawing.						
Course Goals	Using methods and introduction of equipment for arthitectural expression, line, scale, conception of dimensioning, depends on scales , architectural expression features, in perspective dawing subjects, task information and the related applications.						
Course Learning Outs and Proficiencies	• Use the drawing tools. • Gain the ability of three-dimensional thinking. • Gain the technical infrastructure to transfer them to paper. • Draw vertical parallel projection. • Understand the projections of three-dimensional position of a given object. • Understand and apply the techniques of architectural expression.						

	• Learn freehand drawing techniques to strengthen the architecture description. • Draw any kind of parallel perspective (isometric, Kavalyer to military). • Draw central projection (Artistic Perspective). • Draw the architectural plan, layout, elevation, cross-section.
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.
Methods of Give a Lecture	Face to face

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination		

	(Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

Course Code and Name: MIM110- Concepts of Art and Architecture				**Department Name:** Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Spring	2	0	2	2	2	Turkish	Required
Prerequisites of Course	-						
Course Instructor	Assist. Prof. Ebru N. CEYLAN			**Mail : ebrunalanceylan@munzur.edu.tr**			
Teaching Assistant				**Mail :** **Web :**			
Groups /Classes							
The Aims of Course	• Introducing the elements affecting architecture and its relations with other branches of art.						
Course Objectives	• Learning basic architectural concepts • Establishing the relationship between Architecture and Art • Introducing the art movements/styles that influence architecture • Architecture: Form, Space & Order. Understanding and analyzing complex design concepts.						
Learning outcomes of Course	• Gains knowledge by understanding the basic concepts in the field of architecture • Ability to establish the relationship between architecture and other branches of art • Gains knowledge about and ability to interpret architectural styles, famous architects and the styles of their buildings. • Architecture: Form, Space & Order understands and implements solutions and abstractions of basic and complex design concepts • Gains critical thinking competence by understanding the basic elements of space and form.						
Textbooks and /or Other Required Materials	• Ching, F. D. (2014). Architecture: Form, space, and order. John Wiley & Sons • Kuban, D.(1973). Mimarlık kavramları. İTÜ Matbaası. • Gombrich, E.H.(1995).The Story of Art, Phaidon Press, London. • Juhani P. (2011). The Eyes of the Skin, YEM Yayın, • John, B. (1995). Ways of Seeing, çev. Yurdanur Salman, Metis Yayınları. • Özer, B. (2009) Kültür, Sanat, Mimarlık, Yorumlar, YEM Yayınları. • Lynton, N.(1994), The Story of Modern Art, Phaidon Press London. • Tschumi, B. (1996). Architecture and disjunction. MIT press. • Carol D. C. (2018) Binalar Nasıl Okunur ? YEM Yayınları						
Teaching Methods	• Face to face						

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

COURSE IDENTIFICATION FORM

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

Course Code and Name: MIM 112 DESCRIPTIVE GEOMETRI				**Department of :** Architecture			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	2	1	3	3	3	Turkish	Optional

Prerequisite (s)		
Instructor	Assoc. Prof. İnan ÜNAL	**Mail :** inanunal@gmail.com **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes		
Course Aim	- Understanding the geometry of the design space, using the information related to Space Geometry and projection and designing 3-dimensional space shapes with the method of painting on a 2-dimensional plane	
Course Goals	This course aims to enable students to understand the concepts of 3D space geometry in design space and to apply projections in this space. It aims to depict 3 dimensional objects on 2 dimensional plane.	
Course Learning Outs and Proficiencies	1- The ability of abstraction, synthesis and adaptation develops. 2- By comparing different geometries, the view of geometry is expanded and enriched and flexibility of thought is gained. 3- Architecture-Geometry Relationship is comprehended.	
Course Basic and Auxiliary Contexts	1- Düzgün, A. (2003). Mimar ve mühendisler için temel Tasarı Geometri. Birsen Yayınevi. 2- A.V.Günhan, Tasarı Geometri Dersleri, Kutulmuş Matbaası, İstanbul, 1967 3- S. Akın, Tasarı Geometri Problemleri, Cilt I, Arı Kitabevi Yayınları No: 11, 1965 4- Pumann, Darstellende Geometrie 1. Teil, Verlag Pumann, Coburg	

	5- Pumann, Darstellende Geometrie 1. Teil, Selbst-Verlag Pumann, Coburg 6- E. Schörner, Darstellende Geometrie, Carl Hanser Verlag, München, 1977 7- R. Schmidt, Darstellende Geometrie, Bauverlag Gmbh, Wiesbaden und Berlin, 1977 8- N. Krylov, P. Lobandievsky, S. Men, Descriptive Geometry, Mir Publishers, Moscow, 1968 M.C. Hawk, Descriptive Geometry, Schaum's Outline Series, McGraw-Hill Book Company, 1962
Methods of Give a Lecture	Face to face

		If Available, to Sign (x)	**General Average Percentage (%) Rate**
Assessment Criteria	**1. Quiz**	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		

	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	Information about the course
2	Basic definitions: Point, line, geodesic, surface. Classification of surfaces, retractable surfaces
3	Theorems about space geometry and projection. Projective geometry, congruence principle of space
4	Projection, definition and types. Projection of a line. Division ratio, cross ratio
5	Rotations around the axis: Actual lengths
6	Forms of specification of the plane. Projective planes. The trace of the line in the projective plane
7	The trace of the plane in the projecting plane. The trace of the line in the plane
8	Midterm
9	Drawing a perpendicular line to the plane. Metric problems: Distance of a line to the plane, distance between two parallel planes, distance between opposite lines
10	Conic sections, projection of a circle
11	Finding the interfaces between pyramidal, conical, prismatic and cylindrical surfaces
12	Rotations around the axis: Real areas
13	Repositioning of projection planes. Metric problems
14	FINAL EXAM

Course Code and Name: MAT101 Mathematics				Department Name: Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Spring	2	0	2	2	2	Turkish	Compulsory
Prerequisites of Course	-						
Course Instructor	Doç. Dr. Özge AKÇAY KARAKUŞ			**Mail :** **Web :**			
Teaching Assistant				**Mail :** **Web :**			
Groups /Classes							
The Aims of Course	• The aim of this course is for students to understand and calculate topics such as limits, derivatives and integrals in single variable functions.						
Course Objectives							
Learning outcomes of Course	• Knows the concepts of limit and continuity in single variable functions and makes related calculations, • Knows the concept of derivatives and some of its applications and makes related calculations, • Knows the concepts of definite and indefinite integrals and some of their applications and makes related calculations, • Have the ability to calculate limits, derivatives, integrals, logic and linear algebra, which are the bases for the research areas of mathematics (analysis, algebra, differential equations and geometry), • Achieve a basic knowledge about the research areas of mathematics, • Establish and interpret relationships between research areas of mathematics, • Have the ability to define, formulate and solve mathematical problems,						
Textbooks and /or Other Required Materials	• Matematik Analiz 1, Prof. Dr. Mustafa Balcı, Palme Yayınevi. • Genel Matematik 1, Prof. Dr. Mustafa Balcı, Palme Yayınevi.						
Teaching Methods	• Face to face						

		If applicable, mark as (X)	Total Contribution (%)
EVALUATION METHOD AND SUCCESS CRITERIA	**1. Midterm**	X	**40**
	2. Midterm		
	3. Midterm		
	4. Midterm		
	Quiz		
	Practice (Laboratory, Project etc.)		
	Final	X	**60**

Weekly Course Plan

Weeks	Topics
1	Preliminary information, limits of function, right and left limits, trigonometric limits
2	Continuous function
3	Derivative, general differentiation rules
4	Derivatives of basic elementary functions, derivatives of closed functions
5	Geometric meaning of derivative and its physical applications
6	Extreme values of functions and theorems on differentiation
7	Indeterminate form, L'Hospital theorem
8	Midterm
9	Indefinite integral, integration methods
10	Indefinite integral, integration methods
11	Indefinite integral, integration methods
12	Definite integral
13	Applications of definite integral (calculation of area and volume of revolution)
14	Applications of the definite integral (calculation of arc length and area of surfaces of revolution)

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

Course Code and Name: YDİ 102-Foreign Language 2				**Department Name:** Departman of Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Fall	2	0	2	2	2	Turkish	Required
Prerequisites of Course	-						
Course Instructor					**Mail :** **Web :**		
Teaching Assistant					**Mail :** **Web :**		
Groups /Classes							
The Aims of Course	• Turkish Language Course, to show students the features of Turkish Language and its rules of operation with examples; to give them the ability and the habit of expressing their feelings, thoughts, designs, impressions, observations, and experiences in verbal and written ways in a correct and effective way; to improve their vocabulary through written and spoken texts; to teach the rules of understanding correctly the texts they read or the programs they listen to; It aims to develop language skills, which are the basis of communication between individuals and masses.						
Course Objectives							
Learning outcomes of Course	• 1. have general knowledge about the concept of language. The definition of language, its birth; Learns the relationship with culture, thought and communication. Understands the differences between written language and spoken language. • Will gain the skill of correct and planned writing. Learn the details of paper layout and paragraph information. Gains proficiency in written communication by doing writing studies. • Will learn about spelling rules and punctuation marks. Uses punctuation marks in the text correctly. By learning the details of spelling rules, eliminates the confusion of meaning in written communication. • Will have general information about the rules of the petition. Learns the correct petition spelling. Apply the rules in official correspondence.						
Textbooks and /or Other Required Materials							
Teaching Methods	• Distance Learning						

		If applicable, mark as (X)	Total Contribution (%)
EVALUATION METHOD AND SUCCESS CRITERIA	**5. Midterm**	X	**40**
	6. Midterm		
	7. Midterm		
	8. Midterm		
	Quiz		
	Practice (Laboratory, Project etc.)		
	Final	X	**60**

Weekly Course Plan

Weeks	Topics
1	Englısh Language Definition and Task of Language
2	Tenses and Overview in English
3	The Present Continuous Tense and Non-Continuous Tense
4	The Past Continuous Tense and Future Continuous Tense
5	Simple Present Tense and Usage of Areas
6	Simple Present Tense and Have/Has
7	Frequency Adverbs 1, Frequency Adverbs 2 and Adverbs of Time
8	Mid-term
9	Questions With Questions Words – Was/Were
10	Question Answer and Writing Applications
11	Past Continuous Tense, Yes/No Questions and Questions With Questions Words
12	Future Tense, Be Going to, Will Future and Future Time Clauses
13	The Presen Perfect Tense, For/Since, Just, Already, Yet, So Far, Ever and Never
14	Present Perfect With Superlative and Writing Studies

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE MİMARLIK FAKÜLTESİ

COURSE IDENTIFICATION FORM

Course Code and Name: MIM 102 BUILDING THEORY II				**Department of :** Architecture			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	4	4	8	6	8	Turkish	Compulsory

Prerequisite (s)	MIM 101 BUILDING THEORY I	
Instructor	Assist. Prof. Necla Seval BAYRAM	**Mail :** nsevalerdem@gmail.com **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes		
Course Aim	- It is aimed to provide the student with the skills of evaluating the concept of space, thinking systematically, expressing what he / she thinks, evaluating problems from different perspectives and developing multi-faceted solution proposals on a project he / she has designed.	
Course Goals	- To analyze the environmental components that affect the design and to establish the right relationships. - To comprehend the effect of natural environmental data on architectural design. - To comprehend the effect of built environment on architectural design at city and building scale. - To comprehend the effect of social environment on architectural design. - To develop the ability to solve the problems of an architectural design area at urban and building scale.	
Course Learning Outs and Proficiencies	- Have the ability to design and manage projects. - Applies the relationship between concept and context in design. - Analyzes the environmental, social, climatic and cultural data affecting the design and transfers them to the design correctly. - Knows how to establish physical environment and human interaction. - Has the ability to use basic information about user needs, anthropometry-human measurement in design. - Have the ability to prepare posters and make presentations.	
Course Basic and Auxiliary Contexts	• Angelil, M., Hebel, D., Deviations: Designing Architecture, a Manual (Basel: Birkhauser, 2008) • Bielefeld,B., Adım Adım Tasarım Fikirleri (Basel: Birkhauser. 2007) • Itten J., Design and Form -The Basic Course at the Bauhaus and Later (NY:Van Nostrand Reinhold Company, 1976 • Ching, F. D. (2014). Architecture: Form, space, and order. John Wiley & Sons	

	• Gombrich E.H., The Story of Art, Phaidon Press, London,1995 • Arcan, E.F., Evci, F., Mimari Tasarıma Yaklaşım, Bina bilgisi çalışmaları, İstanbul, 1999. • Neufert, E., Architects Data, London, 2000 • Calendar, J., Chıara,J.D., Tıme Saver Standards, New York, 1980. • Mills, E.D.,Planning:The Architects Handbook, London, 1985. • Sanoff, H., School Design, New York, 1994. -Francis, D.K.C., Mimarlık (Biçim, Mekan ve Düzen), İstanbul, 2002. Kulaksızoğlu, E., Endüstrileşmiş Binalarda Mimari Planlama Araştırması, İstanbul, 1980.
Methods of Give a Lecture	Face to face

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	**Subjects**
1	- Architectural design stages; Analysis, synthesis, evaluation. Plan and planning process in architecture. Examination of evaluation criteria in architectural design. Building needs program, function scheme, spatial analysis. Environmental factors in architectural design
2	- Ergonomics, basic human dimensions, space and basic furniture dimensions. Circulation and transition area distances. Dimensions of equipment elements

3	- Housing Concept and Properties, Physical, Socio-cultural and Economic Factors Affecting Housing Design, Housing Interiors: Application: Bathroom drawing 1/20
4	- Residential Interiors: Kitchen drawing 1/20
5	- Residential Interiors: Sleeping Spaces drawing 1/20
6	- Residential Interiors: Entrance, Service and Common Areas drawing 1/20
7	- Midterm exam
8	- Educational structures, general review
9	- Cultural buildings, general review
10	- Transportation structures, general review
11	- Health structures, general review
12	- Tourism structures, general review
13	- Sports structures, general review
14	- Final project submission

COURSE IDENTIFICATION FORM

Course Code and Name: MIM 208 ARCHITECTURAL TECHNICAL DRAWING				Department of :			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	3	0	3	3	3	Turkish	Optional

Prerequisite (s)		
Instructor	Assoc. Prof. Berivan YILMAZER POLAT	**Mail :** bpolat @munzur.edu.tr **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes	1	
Course Aim	The aim of this course is to identify the properties of the basic materials which have been used in buildings and the increasing and developing building products according to recent technologies devoted to design and application and to provide these materials to be known and to be selected according to their area of usage in the content of architectural education program.	
Course Goals	It goals to define the physical and technical properties of industrial contemporary building materials, to evaluate their effects on architectural design, to examine the regulations and standards related to contemporary building materials, to evaluate the materials in terms of sustainability and ecology.	
Course Learning Outs and Proficiencies	• Having knowledge about environmental factors and users' requirements • Learning structures and properties of materials from production to using them in structures. • Taking right decisions for choosing materials considering the environmental factors and users' requirements • Using the materials in the building at right places. • Acquisition of relevant knowledge, evaluation, recording and implementation skills in architectural processes.	
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.	
Methods of Give a Lecture	Face to face	

		If Available, to Sign (x)	General Average Percentage (%) Rate
Assessment Criteria	**1. Quiz**	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	Subjects
1	Introduction to materials, standard in materials, building materials regulation, internal structures of materials
2	Visual properties, physical properties, chemical properties, mechanical properties of materials
3	Material selection according to the factors that cause problems in buildings (sun, wind, heat, water, humidity, fire, sound)
4	Use, dimensioning and pricing of wood in construction
5	Use, sizing and pricing of natural stones in construction
6	Metals (iron, steel, aluminum, copper, zinc, lead, brass, chromium, titanium, properties, use in construction
7	Terracotta (adobe, definition, classifications, production, properties, use in construction, pricing
8	Midterm Exam 1 / Practice
9	Investigation of binding building materials market products - Student presentation
10	Concrete, compressive strength, classifications, concrete production, water and concrete, slump test, concrete admixtures, formwork, transportation and casting of concrete, properties, use in construction, test methods in existing buildings
11	Application forms of paints, storage and application methods, properties, use in construction Student presentation
12	Coating application methods, types and properties of underlay, market price and variety research, student presentation
13	Material waste and approximate cost calculation
14	Final preparations for final assignments, checking and correcting deficiencies

COURSE IDENTIFICATION FORM

Course Code and Name: MIM 105 - STATICS AND STRENGTH				Department of :			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	3	0	3	3	3	Turkish	Optional

Prerequisite (s)		
Instructor	Assoc. Prof. Berivan YILMAZER POLAT	**Mail :** bpolat @munzur.edu.tr **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes	1	
Course Aim	Teaching the basic principles of mechanics to students	
Course Goals	basic concepts and principles, a point that intersects the plane forces, moments, and the concept of a pair of force, the general status of forces in the plane, plane trusses, centroids, moments of inertia, the classification of external forces, delivery systems and support reactions, cables and friction investigation and analysis of samples. The basic concepts of strengths of materials, drawing diagrams of bending moment, shear and axial forces, normal force status, shear state bending, moments of inertia, parallel axis theorem state, state of torsional bending and examination with examples of situations.	
Course Learning Outs and Proficiencies	• Knows the basic principles of statics, vectors, methods of summing vectors, and the separation of a vector into components • Understands the plane system of forces • Solve two-dimensional equilibrium problems by applying static equilibrium conditions. • Learns the determination of reactions in supports and ties of a two-dimensional system, equilibrium of two and three-dimensional rigid bodies, statically indeterminate reactions missing ties, bodies in equilibrium under the action of two forces and three forces, and calculation methods. • Learns the centers of gravity of distributed forces, finding the centers of gravity of lines, areas, and volumes by integration and application of Pappus-Guldinus theorems. • Moments of inertia of fields, polar moment of inertia, parallel axes theorem, finding the moment of inertia of a field by integration. learns • Understands rod forces. • Learns about internal forces and stresses.	
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.	

Methods of Give a Lecture	Face to face

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	Subjects
1	Definitions, free drawing diagram, Force, moment, loads, support conditions, equilibrium conditions.
2	Vectors. Plane system of forces. Addition and multiplication of vectors, Separation of a vector into components. Finding the resultant of forces by analytical method.
3	Equilibrium of a material point. Problem Solutions.
4	Equilibrium of a two dimensional rigid body. Equilibrium of a body under two forces.
5	Distributed forces center of gravity.
6	Center of gravity of a two-dimensional body. Centers of gravity of areas and lines. Finding the centers of gravity by integration.
7	Moments of inertia of fields.
8	Lattice systems. Formation of truss systems. Tensile-Compression Elements.
9	Midterm Exam
10	Drawing of bar forces and cross-sectional influence diagrams. Finding normal force, shear force, bending and torsion moment.
11	Internal forces and stress state, uniaxial and plane stress state, determination of principal normal stresses and values of maximum and minimum shear stresses.
12	Finding principal axes and principal moments of inertia with the help of Mohr's circle
13	Mechanical properties of materials, stress-strain relations, Hooke's Law
14	Problem Solving

COURSE IDENTIFICATION FORM

Course Code and Name: MIM 106 STRUCTURAL ANALYSİS				Department of :			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	3	0	3	3	3	Turkish	Optional

Prerequisite (s)		
Instructor	Assoc. Prof. Berivan YILMAZER POLAT	**Mail :** bpolat @munzur.edu.tr **Web :**
Course Assistant		**Mail :** **Web :**
Groups / Classes	1	
Course Aim	Analysis of statically determinate frame structures; Analysis of statically indeterminate framed systems via Cross Method, Load analysis from slabs to beams and columns; Brief information about ductile structural system design in earthquake prone regions; Understanding rebar positions and locations in RC structures; Give size to beams and columns in RC, steel and wooden structural systems	
Course Goals	Progress in structural systems from past to present and diversity of structural systems; The structural analysis of statically determinate concrete, steel and wooden systems; The structural analysis of statically indeterminate structural framed systems via Cross Method; Resistance to gravity (dead loads) and lateral loads (wind, earthquake); Load analysis; and slab, beam, column sizing in frame systems of steel, concrete and wooden structures; Stiffness and ductility concepts; Schematic normal, shear forces and moment diagram drawings and determination of rebar positions.	
Course Learning Outs and Proficiencies	• To analyze the determinate/indeterminate RC, steel and wooden framed structures • To learn the analysis of indeterminate structures via Cross method and dimensionnig • To determine gravity and lateral loads in RC, steel and wooden framed structures. To understand the load distribution from slab to beams, and from beams to columns. • To gain knowledge about stiffness and ductility of structures and members • To comprehend structural behaviour, connections (welding, bolting in steel structures; rebar positions in RC structures)	
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.	
Methods of Give a Lecture	Face to face	

Assessment Criteria		**If Available, to Sign (x)**	**General Average Percentage (%) Rate**
	1. Quiz	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	Subjects
1	Framed structures with RC, steel and wooden materials from past to present
2	Statical analysis of statically framed structures and internal force/moment diagrams, Homework 1
3	Statical analysis of statically framed structures (cont.) , Homework 2
4	Schematical moment diagrams due to gravity and/or lateral loads, schematical rebar positions in RC beams and columns, Quiz 1
5	Cross method for indeterminate framed structures and exercises, Homework 3
6	Cross method for indeterminate framed structures (cont.), exercises, Homework 4
7	Cross method for indeterminate special framed structures (cantilevers, symmetrical systems), Homework 5
8	Midterm 1 / Practice or Review
9	Slab types, load analysis in slabs
10	Loading distribution to beams and columns from slabs, equivalent framed systems, Homework 6
11	Moment of inertia, stiffness, ductility concepts and load exercises in RC, steel and wooden systems
12	General exercises on the framed structures, Homework 7
13	Problems
14	Problems

Course Code and Name: BASIC ART EDUCATION MİM107				**Department**: ARCHITECTURE			
Semester	**Theor etical Clock**	**Practice Time**	**Total Hours**	**Credits**	**ECTS**	**Langua ge of Instruct ion**	**Type: Mandatory / Elective**
FALL	2	4	6	4	5	Turkish	Mandatory
Prerequisites		-					
Instructor		LECTURER DEHA KOÇ		**Mail :** **Web :**			
Course Assistant				**Mail: Web:**			
Groups Classes		-					
Course Objectives		• Basic understanding of the methods that can be used in the visual design creation stages					
Course Objectives		-					
Learning Outcomes and Competencies		• Learning basic art and design concepts • Learning visual creation methods • Examination of design methods using experimental applications					
Basic and Supplementary Resources		• Nevide Gökaydın, Basic Art Education, 2010					
Course Method		• Face to face					

		If any (X) Aspect Tick	**General Average Percent (%) Contribution**

	1. Midterm Exam	X	**40**
	2. Midterm Exam		

Evaluation Criteria	**3. Midterm Exam**		
	4. Midterm Exam		
	Oral Exam		
	Practice Exam ((Laboratory, Project, etc.)		
	Final Exam	X	**60**

Semester Curriculum

Week	**Threads**
1	Basic Art Concepts
2	Basic Design Concepts
3	Experimental Approaches in Basic Art
4	Basic Art and Three-Dimensional Modeling
5	Pattern Drawing
6	Composition Info
7	Composition Applications
8	Midterm Exam
9	Color in Artistic Production
10	The Relationship Between Architectural Design and Color
11	Three-Dimensional Reproduction
12	Basic Central Perspective
13	Basic Technical Perspective
14	Experimental Design Practice

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE
COURSE INTRODUCTION FORM

Course Code and Name: MIM108-Structure information I				**Department Name:** Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Fall	3	2	5	4	4	Turkish	Required
Prerequisites of Course	-						
Course Instructor	Prof. Dr. Murat DAL			**Mail :** muratdal@munzur.edu.tr **Web :**			
Teaching Assistant				**Mail :** **Web :**			
Groups /Classes							
The Aims of Course	• It is aimed to introduce masonry building detailing and application principles and construction methods.						
Course Objectives							
Learning outcomes of Course	• Ability to conduct research in the field of masonry design and reflect the data obtained as a result of analysis into the design. • To have the theoretical knowledge necessary for masonry construction systems and transferring them to design. • Ability to identify, analyze and synthesize masonry structures. • Having knowledge about masonry construction systems and the necessary theories and methods to transfer them to design. • Having both theoretical and practical knowledge in masonry structure design and being able to offer solution suggestions.						
Textbooks and /or Other Required Materials	• Ching, F.D.K., (2001). Building Construction Illustrated, John Wiley & Sons, New York. • Türkçü, Ç., (2002). Yapım, Birsen Yayınevi, İstanbul. • Eldem, S. H., (2001). Yapı, Birsen Yayınevi, İstanbul. • Kızıl, F., Şahinler, O., 2oo4, Mimarlıkta Teknik Resim, Yapı Yayın, İstanbul. • Ching, F.D.K., 2008, Çizimlerle Bina Yapım Rehberi, YEM Yayınevi, İstanbul. • Ching, F.D.K., Onovye, B.S., Zuberbuhler, D., 2013. Çizimlerle Taşıyıcı Sistemler, MAS Matbaacılık AŞ., İstanbul. • Özcan, K., 2000, Yapı, Bilim Yayınları, İstanbul. • Güner, S., Yüksel, A., 2001, Yapı Teknolojisi I-II, Aktif Yayınevi, İstanbul. • Çatı Kaplama Malzemeleri Uygulama Detayları Kılavuzu, 2007, Çatı Sanayici ve İş adamları Derneği, İstanbul. • Deplazes, A. 2005, Constructing Architecture a Handbook, Birkhauser Verlag AG, Germany. • Macdonald, A.J., 1997, Structural Design For Architecture, Reed Educational and Professional Publishing Ltd., Great Britain .						

	• Baker, N.V., 2009, The Handbook of Sustainable Refurbishment, RIBA Publishing., Great Britain . • Neufert, E., 2000, Yapı Tasarımı, Beta Basın Yayım, İstanbul. • Sleeper, R.,2000, Architectural Graphic Standarts, John Wiley&Sons Ltd. • Angel, H.,2004, Strüktür Sistemleri, Tasarım Yayın Grubu, İstanbul. • Demiraslan, Ü., 2005, İnce Yapı Tasarlama İlkeleri ve Uygulama Yöntemleri, İstanbul. Erten, E., 2014, Mimarlıkta Yapı Yapım, Birsen Yayınevi, İstanbul.
Teaching Methods	• Face to face • After basic information is given by the course instructor, students will make applications in the form of drawings and homework to reinforce the subject in the workshop. In parallel, after a certain level of knowledge is reached, an individual study will be carried out under the supervision of group managers, in which elementary knowledge will be integrated.

		If applicable, mark as (X)	**Total Contribution (%)**
EVALUATION METHOD AND SUCCESS CRITERIA	**1. Midterm**	X	**40**
	2. Midterm		
	3. Midterm		
	4. Midterm		
	Quiz		
	Practice (Laboratory, Project etc.)		
	Final	X	**60**

Weekly Course Plan

Weeks	**Topics**
1	Introduction to building systems, general building-construction concepts,
2	Principles of masonry construction.
3	Entrance to the walls; stone, brick, wood, adobe, concrete walls, retaining walls and cobblestones.
4	Entrance to the walls; wooden, adobe, concrete walls, retaining walls and cobblestones.
5	Foundation systems in masonry structures.
6	Basement and waterproofing in masonry buildings.
7	Rules for opening spaces in masonry structures, beams and lintels.

8	Flooring and traditional top cover systems in masonry structures; volta flooring, metal flooring, wood-reinforced concrete flooring.
9	Midterm
10	Flooring and top cover systems in masonry structures; flat slabs arch, dome, vault.
11	Introduction to roof systems; Wooden fitted roof.
12	Introduction to roof systems; detail
13	General application 1
14	General application 2

COURSE IDENTIFICATION FORM							
Course Code and Name: MIM 109 ARCHITECTURAL TECHNICAL DRAWING				**Department of :**			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	2	2	4	3	4	Turkish	Optional
Prerequisite (s)							
Instructor		Assoc. Prof. Berivan YILMAZER POLAT				**Mail :** bpolat @munzur.edu.tr **Web :**	
Course Assistant						**Mail :** **Web :**	
Groups / Classes		1					
Course Aim	The most widely used in architecture conjugate of the projection perpendicular to the linear narrative tool, teaching the three-dimensional ideas of telling in projections, given projections of three-dimensional shapes to design the ability to gain and to inform students about the standards of architectural drawing.						
Course Goals	Using methods and introduction of equipment for arthitectural expression, line, scale, conception of dimensioning, depends on scales , architectural expression features, in perspective dawing subjects, task information and the related applications.						
Course Learning Outs and Proficiencies	• Use the drawing tools. • Gain the ability of three-dimensional thinking. • Gain the technical infrastructure to transfer them to paper. • Draw vertical parallel projection. • Understand the projections of three-dimensional position of a given object. • Understand and apply the techniques of architectural expression. • Learn freehand drawing techniques to strengthen the architecture description. • Draw any kind of parallel perspective (isometric, Kavalyer to military). • Draw central projection (Artistic Perspective). • Draw the architectural plan, layout, elevation, cross-section.						
Course Basic and Auxiliary Contexts	• Lecture notes given by the coordinator.						
Methods of Give a Lecture	Face to face						

		If Available, to Sign (x)	General Average Percentage (%) Rate
Assessment Criteria	**1. Quiz**	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	Subjects
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE
COURSE INTRODUCTION FORM

Course Code and Name: MIM110- Concepts of Art and Architecture				**Department Name:** Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Spring	2	0	2	2	2	Turkish	Required
Prerequisites of Course	-						
Course Instructor	Assist. Prof. Ebru N. CEYLAN					**Mail : ebrunalanceylan@munzur.edu.tr**	
Teaching Assistant						**Mail : Web :**	
Groups /Classes							
The Aims of Course	• Introducing the elements affecting architecture and its relations with other branches of art.						
Course Objectives	• Learning basic architectural concepts • Establishing the relationship between Architecture and Art • Introducing the art movements/styles that influence architecture • Architecture: Form, Space & Order. Understanding and analyzing complex design concepts.						
Learning outcomes of Course	• Gains knowledge by understanding the basic concepts in the field of architecture • Ability to establish the relationship between architecture and other branches of art • Gains knowledge about and ability to interpret architectural styles, famous architects and the styles of their buildings. • Architecture: Form, Space & Order understands and implements solutions and abstractions of basic and complex design concepts • Gains critical thinking competence by understanding the basic elements of space and form.						
Textbooks and /or Other Required Materials	• Ching, F. D. (2014). Architecture: Form, space, and order. John Wiley & Sons • Kuban, D.(1973). Mimarlık kavramları. İTÜ Matbaası. • Gombrich, E.H.(1995).The Story of Art, Phaidon Press, London. • Juhani P. (2011). The Eyes of the Skin, YEM Yayın, • John, B. (1995). Ways of Seeing, çev. Yurdanur Salman, Metis Yayınları. • Özer, B. (2009) Kültür, Sanat, Mimarlık, Yorumlar, YEM Yayınları. • Lynton, N.(1994), The Story of Modern Art, Phaidon Press London. • Tschumi, B. (1996). Architecture and disjunction. MIT press. • Carol D. C. (2018) Binalar Nasıl Okunur ? YEM Yayınları						
Teaching Methods	• Face to face						

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE
COURSE INTRODUCTION FORM

		If applicable, mark as (X)	Total Contribution (%)
EVALUATION METHOD AND SUCCESS CRITERIA	1. Midterm	X	40
	2. Midterm		
	3. Midterm		
	4. Midterm		
	Quiz		
	Practice (Laboratory, Project etc.)		
	Final	X	60

Weekly Course Plan

Weeks	Topics
1	Basic design elements and principles, gestalt principles
2	Basic architectural concepts
3	Basic architectural concepts
4	Concepts of form, space, order
5	Concepts of form, space, order
6	Concepts of form, space, order
7	Art-Architecture relationship
8	Art-Architecture relationship
9	The art movements / Styles that influence architecture
10	The art movements / Styles that influence architecture
11	The art movements that influence architecture & famous architects and their styles
12	The art movements that influence architecture & famous architects and their styles
13	Famous architects and styles homework presentation
14	Taking an exam

T.C.
MUNZUR ÜNİVERSİTESİ
GÜZEL SANATLAR, TASARIM VE
MİMARLIK FAKÜLTESİ

COURSE IDENTIFICATION FORM

Course Code and Name: MIM 112 DESCRIPTIVE GEOMETRI				**Department of :** Architecture			
Semester	**Theoretic Hour**	**Practice Hour**	**Total Hour**	**Credits**	**ECTS**	**Education Language**	**Type: Compulsory Elective**
Fall	2	1	3	3	3	Turkish	Optional
Prerequisite (s)							
Instructor		Assoc. Prof. İnan ÜNAL				**Mail :** inanunal@gmail.com **Web :**	
Course Assistant						**Mail :** **Web :**	
Groups / Classes							
Course Aim	- Understanding the geometry of the design space, using the information related to Space Geometry and projection and designing 3-dimensional space shapes with the method of painting on a 2-dimensional plane						
Course Goals	This course aims to enable students to understand the concepts of 3D space geometry in design space and to apply projections in this space. It aims to depict 3 dimensional objects on 2 dimensional plane.						
Course Learning Outs and Proficiencies	1- The ability of abstraction, synthesis and adaptation develops. 2- By comparing different geometries, the view of geometry is expanded and enriched and flexibility of thought is gained. 3- Architecture-Geometry Relationship is comprehended.						
Course Basic and Auxiliary Contexts	1- Düzgün, A. (2003). Mimar ve mühendisler için temel Tasarı Geometri. Birsen Yayınevi. 2- A.V.Günhan, Tasarı Geometri Dersleri, Kutulmuş Matbaası, İstanbul, 1967 3- S. Akın, Tasarı Geometri Problemleri, Cilt I, Arı Kitabevi Yayınları No: 11, 1965 4- Pumann, Darstellende Geometrie 1. Teil, Verlag Pumann, Coburg 5- Pumann, Darstellende Geometrie 1. Teil, Selbst-Verlag Pumann, Coburg 6- E. Schörner, Darstellende Geometrie, Carl Hanser Verlag, München, 1977 7- R. Schmidt, Darstellende Geometrie, Bauverlag Gmbh, Wiesbaden und Berlin, 1977 8- N. Krylov, P. Lobandievsky, S. Men, Descriptive Geometry, Mir Publishers, Moscow, 1968 M.C. Hawk, Descriptive Geometry, Schaum's Outline Series, McGraw-Hill Book Company, 1962						
Methods of Give a Lecture	Face to face						

		If Available, to Sign (x)	General Average Percentage (%) Rate
Assessment Criteria	**1. Quiz**	**X**	**40**
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Examination	**X**	**60**

Semester Course Plan

Week	Subjects
1	Information about the course
2	Basic definitions: Point, line, geodesic, surface. Classification of surfaces, retractable surfaces
3	Theorems about space geometry and projection. Projective geometry, congruence principle of space
4	Projection, definition and types. Projection of a line. Division ratio, cross ratio
5	Rotations around the axis: Actual lengths
6	Forms of specification of the plane. Projective planes. The trace of the line in the projective plane
7	The trace of the plane in the projecting plane. The trace of the line in the plane
8	Midterm
9	Drawing a perpendicular line to the plane. Metric problems: Distance of a line to the plane, distance between two parallel planes, distance between opposite lines
10	Conic sections, projection of a circle
11	Finding the interfaces between pyramidal, conical, prismatic and cylindrical surfaces
12	Rotations around the axis: Real areas
13	Repositioning of projection planes. Metric problems
14	FINAL EXAM

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE
COURSE INTRODUCTION FORM

Course Code and Name: YDİ 102-Foreign Language 2				**Department Name:** Departman of Architecture			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Fall	2	0	2	2	2	Turkish	Required
Prerequisites of Course	-						
Course Instructor					**Mail :** **Web :**		
Teaching Assistant					**Mail :** **Web :**		
Groups /Classes							
The Aims of Course	• Turkish Language Course, to show students the features of Turkish Language and its rules of operation with examples; to give them the ability and the habit of expressing their feelings, thoughts, designs, impressions, observations, and experiences in verbal and written ways in a correct and effective way; to improve their vocabulary through written and spoken texts; to teach the rules of understanding correctly the texts they read or the programs they listen to; It aims to develop language skills, which are the basis of communication between individuals and masses.						
Course Objectives							
Learning outcomes of Course	• 1. have general knowledge about the concept of language. The definition of language, its birth; Learns the relationship with culture, thought and communication. Understands the differences between written language and spoken language. • Will gain the skill of correct and planned writing. Learn the details of paper layout and paragraph information. Gains proficiency in written communication by doing writing studies. • Will learn about spelling rules and punctuation marks. Uses punctuation marks in the text correctly. By learning the details of spelling rules, eliminates the confusion of meaning in written communication. • Will have general information about the rules of the petition. Learns the correct petition spelling. Apply the rules in official correspondence.						
Textbooks and /or Other Required Materials							
Teaching Methods	• Distance Learning						

		If applicable, mark as (X)	**Total Contribution (%)**

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE
COURSE INTRODUCTION FORM

EVALUATION METHOD AND SUCCESS CRITERIA	**1. Midterm**	X	**40**
	2. Midterm		
	3. Midterm		
	4. Midterm		
	Quiz		
	Practice (Laboratory, Project etc.)		
	Final	X	**60**

Weekly Course Plan

Weeks	Topics
1	Englısh Language Definition and Task of Language
2	Tenses and Overview in English
3	The Present Continuous Tense and Non-Continuous Tense
4	The Past Continuous Tense and Future Continuous Tense
5	Simple Present Tense and Usage of Areas
6	Simple Present Tense and Have/Has
7	Frequency Adverbs 1, Frequency Adverbs 2 and Adverbs of Time
8	Mid-term
9	Questions With Questions Words – Was/Were
10	Question Answer and Writing Applications
11	Past Continuous Tense, Yes/No Questions and Questions With Questions Words
12	Future Tense, Be Going to, Will Future and Future Time Clauses
13	The Presen Perfect Tense, For/Since, Just, Already, Yet, So Far, Ever and Never
14	Present Perfect With Superlative and Writing Studies

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE COURSE INTRODUCTION FORM

Course Code and Name: MAT101 Mathematics				**Department Name: Architecture**			
Semester	**Theory**	**Practice**	**Sum**	**Credits**	**ECTS**	**Language of Course**	**Course Type (Compulsory/Elective)**
Spring	2	0	2	2	2	Turkish	Compulsory
Prerequisites of Course	-						
Course Instructor	Doç. Dr. Özge AKÇAY KARAKUŞ				**Mail :** **Web :**		
Teaching Assistant					**Mail :** **Web :**		
Groups /Classes							
The Aims of Course	• The aim of this course is for students to understand and calculate topics such as limits, derivatives and integrals in single variable functions.						
Course Objectives							
Learning outcomes of Course	• Knows the concepts of limit and continuity in single variable functions and makes related calculations, • Knows the concept of derivatives and some of its applications and makes related calculations, • Knows the concepts of definite and indefinite integrals and some of their applications and makes related calculations, • Have the ability to calculate limits, derivatives, integrals, logic and linear algebra, which are the bases for the research areas of mathematics (analysis, algebra, differential equations and geometry), • Achieve a basic knowledge about the research areas of mathematics, • Establish and interpret relationships between research areas of mathematics, • Have the ability to define, formulate and solve mathematical problems,						
Textbooks and /or Other Required Materials	• Matematik Analiz 1, Prof. Dr. Mustafa Balcı, Palme Yayınevi. • Genel Matematik 1, Prof. Dr. Mustafa Balcı, Palme Yayınevi.						
Teaching Methods	• Face to face						

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE COURSE INTRODUCTION FORM

EVALUATION METHOD AND SUCCESS CRITERIA		**If applicable, mark as (X)**	**Total Contribution (%)**
	1. Midterm	X	**40**
	2. Midterm		
	3. Midterm		
	4. Midterm		
	Quiz		
	Practice (Laboratory, Project etc.)		
	Final	X	**60**

Weekly Course Plan

Weeks	**Topics**
1	Preliminary information, limits of function, right and left limits, trigonometric limits
2	Continuous function
3	Derivative, general differentiation rules
4	Derivatives of basic elementary functions, derivatives of closed functions
5	Geometric meaning of derivative and its physical applications
6	Extreme values of functions and theorems on differentiation
7	Indeterminate form, L'Hospital theorem
8	Midterm
9	Indefinite integral, integration methods
10	Indefinite integral, integration methods
11	Indefinite integral, integration methods
12	Definite integral
13	Applications of definite integral (calculation of area and volume of revolution)
14	Applications of the definite integral (calculation of arc length and area of surfaces of revolution)

T.C.
MUNZUR UNIVERSITY
FACULTY OF FINE ARTS, DESIGN AND ARCHITECTURE COURSE
INTRODUCTION FORM

Course Code and Title: ART AND DESIGN APPLICATIONS UARGMIM102				**Department**: ARCHITECTURE			
Semester	**Theoretical Clock**	**Practice Time**	**Total Hours**	**Credits**	**ECTS**	**Language of Instruction**	**Type: Mandatory / Elective**
SPRING	2	2	4	3	3	Turkish	Mandatory
Prerequisites	-						
Instructor	LECTURER DEHA KOÇ			**Mail :** **Web :**			
Course Assistant				**Mail:** **Web:**			
Groups Classes	-						
Course Objectives	• The aim of the course is to create competence to produce design by adapting art and design application methods to architectural disciplines.						
Course Objectives	-						
Learning Outcomes and Competencies	• The student gains material mastery by practicing art and design. • Visual plan and architectural composition proficiency develops. • It realizes effective visual fictions with technical sophistication.						
Basic and Supplementary Resources							
Course Method	• Face to face						

Evaluation Criteria		**If any (X) Aspect Tick**	**General Average Percent (%) Contribution**
	1. Midterm Exam	X	**40**
	2. Midterm Exam		
	3. Midterm Exam		
	4. Midterm Exam		
	Oral Exam		
	Practice Exam ((Laboratory, Project, etc.)		
	Final Exam	X	**60**

Semester Curriculum

Week	Threads
1	Art and design application methods
2	Separation of art and design
3	Traditional art and design methods
4	Digital art and design methods
5	Original art and design practices
6	Original art and design practices
7	Original art and design practices
8	Original art and design practices
9	Original art and design practices
10	Original art and design practices
11	Original art and design practices
12	Original art and design practices
13	Original art and design practices
14	Original art and design practices