1. SEMESTER

Code and Name of Course	**BTA 101 Basic Design**
Course Catalog Description (Content)	The aim of this course is to use the basic principles and elements of the design efficiently; to develop visual thinking ability, mind and hand skills, and to gain design skills. It is aimed to develop the creative side of students and gain basic drawing competence. As the course content; Design studies will be carried out on two and three dimensional applications by using basic design principles and basic concepts, point, line, plane, rhythm, balance, texture and pattern, color, shape-ground relationship, hierarchy, permeability, symmetry and asymmetric concepts in design.
Week	**Weekly Subjects**
1	Basic design education program and content; general objectives, principles, points to be considered in practice; List of tools and equipment that can be used in workshops, point, definition of point, Point as a visual expression item (drawing and three-dimensional application)
2	Light-shadow, tone; class work
3	Point, line; class work
4	Tissue; class work
5	Color (measurement grading, covering); class work
6	Midterm
7	Color (transparency, direction); class work
8	Color (repeat, rhythm); class work
9	Color (harmony, contrast); class work
10	Color (koram, sovereignty); class work
11	Original Picture, original graphic picture and graphical interpretations
12	How to Visualize a Design and Create a Sketch
13	Three-dimensional applications
14	Three-dimensional applications
15	Final project
16	Final project
Code and Name of Course	**BTA 102 Technical Drawing**
Course Catalog Description (Content)	The aim of this course is to provide the students with the competences to make basic geometric drawings, appearances, dimensioning rules, cross-section and detail drawings and to read and interpret the drawn technical drawing. Technical writing, line types, geometric drawing, appearance extraction, dimensioning, projection, perspective types, sectioning will be covered.
Week	**Weekly Subjects**
1	Meeting, General introduction of the course. Disclosure of necessary materials.
2	Layout preparation rules. Free hand drawing technique expression
3	Line / vertical-horizontal-curved line applications
4	Explanation of the letter characters used in writing / architectural expression. Writing practices.
5	two-dimensional drawings (front-top-side views)
6	front, top, side view drawings
7	Plan-section drawings
8	Midterm

9	Design cycle
10	Sample project drawings
11	Sample project drawings
12	Perspective drawings
13	Perspective drawings
14	Model drawing application
15	Model drawing application
16	Final
Code and Name of Course	**BTA 103 Digital Image Design**
Course Catalog Description (Content)	The aim of this course is to introduce the basic concepts used in computer graphics, to introduce the basic features and common areas of vectorial and pixel-based software, to use the related programs effectively by making practical examples.
Week	**Weekly Subjects**
1	Lecture of verbal topics on texture coating and preparation
2	File extensions. Pixel image and vector based image differences, usage patterns. Introduction to Photoshop program and basic editing operations.
3	Selection tools, Transform operations, Working with layers, Reinforcement with in-class and out-of-class applications
4	Text, Writing tools, Layer Styles. Gradient Tool Paint Bucket Tool
5	Basic pen techniques, vectors, (shapes) application. Clipping Mask Eraser-Background Eraser Magic eraser.
6	Painting and editing, reinforcing with in-class and out-of-class applications.
7	Retouch and repair, Blur-Sharpen-Smudge Crop-Perspective Crop Visa project brief description
8	Midterm
9	Working with filters, reinforcing them with in-class and out-of-class applications. Working with masks
10	Introduction to Adobe Illustrator program, interface introduction, Making simple and complex drawings - creating contours, Brush painting - editing and formatting drawings, combining shapes - shape embedding methods
11	Working with articles - Using the perspective tool - Example Application
12	illustrator effects, working with Photoshop effects, giving the final brief
13	Developing ideas and teaching practices on the final project
14	Developing ideas and teaching practices on the final project
15	Final Project
16	Final Project
Code and Name of Course	**BTA 104 Computer Aided Design 1**
Course Catalog Description (Content)	In this course, students; It is aimed to gain competence at a level that can make solid modeling, create space, and make technical drawings of space and model. In addition, applications will be made in order to render the 3D modeled designs.
Week	**Weekly Subjects**
1	Giving information to the students about the course contents and explaining the obligations. Introduction to 3DS Max
2	3DS Max Interface Introduction

3	3D Basic Objects
4	Modeling with 2D Shapes
5	Use of Ready-Made Objects
6	Advanced Modeling Techniques (Patch Modeling)
7	Advanced Modeling Techniques (Poly Modeling)
8	Midterm
9	Advanced Modeling Techniques (Blue Print Modeling)
10	Mental Ray Materials and Rendering Techniques
11	Lighting with Mental Ray, Camera Settings and Rendering Techniques
12	Materials Settings with V-Ray
13	Lighting with V-Ray, Camera Settings
14	Render Techniques
15	Application
16	Final
Code and Name of Course	**YAD 101 Foreign Language I**
Course Catalog Description (Content)	articles, tenses, imperatives, pronouns and conjunctions, daily routines, animals, common verbs and transport , A1 level reading and listening (introducing a friend and describing people etc.)
Week	**Weekly Subjects**
1	Subject Pronouns Verb "To Be": The Alphabet, Greetings, Countries and Nationalities Reading & Listening: Introducing a Friend
2	Indefinite Articles (A/ An) Singular and Plural Nouns Demonstrative Adjectives: Days, Months, Seasons Reading & Listening: Describing People
3	Have got/ Has got Possessive Adjectives: Family Members, Occupations/ Jobs Reading & Listening: Getting an ID Card
4	There is/ There are Some/ Any/ No: Common Objects Reading & Listening: Inviting Someone to the Cinema
5	Telling the Time: Cardinal Numbers, Ordinal Numbers, Dates Reading & Listening: Understanding Numbers
6	Simple Present Tense : Daily Routines Reading & Listening: Interview with a Swimmer
7	Present Continuous Tense Present Continuous Tense Compared with the Simple Present Tense: State Verbs Reading & Listening: Band Auditions
8	Ara Sınav
9	Imperatives Making Suggestions : Weather Conditions Animals Reading & Listening: A Good Night's Sleep
10	Object Pronouns Possessive Pronouns One/ Ones: Asking for and Giving Directions Asking about Price Reading & Listening: Giving Directions
11	Simple Past Tense: Expressions with go, get, have Reading & Listening: Christopher Columbus
12	Past Continuous Tense: Common Verbs Reading: The Rabbit and The Turtle
13	Conjunctions: Because, So, But, And, Also, Or : Hobbies, Sports, Interests Reading & Listening: Free Time
14	Prepositions of Time and Place: Common Places Reading & Listening: Trains and Travel
15	Articles (a/ an/ the/ Ø): Transport Reading & Listening: Tour of London

16	Final
Code and Name of Course	**İSG 101 Health and Safety at Work**
Course Catalog Description (Content)	Basic concepts about Occupational Health and Safety (ISG). The main working areas of ergonomics. Work safety concept. Causes of occupational accidents, prevention models, calculation of costs, investigation and reporting. The concept of occupational disease, its types, prevention methods. Occupational safety methods in workshops and laboratories. Personal protectors and machine protectors. Fire and explosion prevention methods. Principles and objectives of first aid. ISG Legislation.
Week	**Weekly Subjects**
1	Introduction to occupational safety and culture
2	The basic principles of occupational safety
3	Principles and objectives of first aid
4	Work accidents and definition. Causes, types and precautions
5	Work accident prevention methods
6	Occupational safety and ergonomics.
7	Occupational safety materials and usage
8	Midterm
9	Accident chain and Accident Reports
10	Fire and explosion prevention methods
11	Accident statistics and accident investigation.
12	Occupational safety by work areas
13	Definition of occupational diseases, types, precautions.
14	Employer and employee responsibilities
15	Legislation, regulations and standards
16	Final
Code and Name of Course	**GRP 121 Innovation Project l**
Course Catalog Description (Content)	Our students receive information such as the establishment and management of the business, business accounting, business establishment supports and incentives, R&D and design center activities, project supports, in order to become entrepreneurs and project builders. They choose one of the projects on air-sea-rail systems, autonomous vehicles, automation-robotic systems, CNC-3D Printers, and they start working together to create a team by collaborating with students who choose similar projects from other programs.
Week	**Weekly Subjects**
1	Entrepreneurship and entrepreneur scorecard
2	Project and project promoters
3	Business Administration
4	Business accounting
5	SMEs
6	Starting a company
7	Design Centers
8	Midterm
9	R&D Centers
10	Incentives and capital support
11	Project types - aircraft
12	Project types - autonomous vehicles
13	Project types - CNC systems-3D printers
14	Project types - robotic automation

15	Cooperation between departments-joint project initiative
16	Final
Code and Name of Course	**UHG 151 Welcome to University**
Course Catalog Description (Content)	It is a program that consists of various activities and activities that will be offered apart from academic studies in order to adapt our students to university life, and aims to adapt to the new environment in the university in a "pleasant" way. These activities and activities support you, our students, as an active individual, with programs that can help you achieve your goals and contribute to your personal development. The program, where the socio-cultural activities are intense, aims to give you a weekly “break”, to raise awareness on issues such as intellectual curiosity, cultural sensitivity and taking responsibility, to improve your vision as well as to graduate you as a “beneficial” individual to the society and the world.
Week	**Weekly Subjects**
1	Objectives of undergraduate education
2	Department introductions
3	Library and data transportation seminar
4	Seminar (Mercy and humility)
5	Cinema screening (extraordinary real-life journey)
6	Turkish Art Music Concert
7	Seminar (On language, literature and poetry)
8	Midterm
9	Theater show
10	Cinema screening (on history, biology, ecology and linguistics)
11	Cinema screening (on history, biology, ecology and linguistics)
12	Seminar (on "Will Management")
13	Seminar (Speed Reading & Active Learning)
14	Seminar (on language, decency and adaptation)
15	Theater show
16	Final