

KASTAMONU UNIVERSITY

SCHOOL OF CIVIL AVIATION

DEPARTMENT OF AVIATION MANAGEMENT

THE CONTENT OF THE COURSES

Course Name: Atatürk's Prin. and Hist. of Revolution I	Code: AIITL101	School of Civil Aviation Department of Aviation Management	L 2	P 0	C 2	ECTS 2
Course Content	The Backwardness of Ottoman Society and State System and Reform Movements; The Disintegration of the Ottoman Empire and the Beginning of National Struggles; Mustafa Kemal Pasha's Organizing of the National Struggle in Anatolia; The Opening of the First TBMM, Military and Political Developments Between 1920-1922; Revolutions and Counter Reactions, Establishing the Constitutional System; Domestic and Foreign Policy in the Republican Period.					
Course Name: Atatürk's Prin. and Hist. of Revolution II	Code: AIITL102	School of Civil Aviation Department of Aviation Management	L 2	P 0	C 2	ECTS 2
Course Content	Characteristics of the Turkish Revolution and Impacted Intellectual Movements; Innovations in Law, Education, Economy and Social Life; Evaluation of Atatürk's Principles from an Ideological Perspective of Kemalism.					
Course Name: Turkish Language I	Code: TDL 103	School of Civil Aviation Department of Aviation Management	L 2	P 0	C 2	ECTS 2

Course Content	What is language: Theories about the origins of language, relationship between language-culture-nation; Language Revolution: Turkish Language Institution and works; World Languages: Language families, place of Turkish among world languages; Features of Turkish Language: Phonetic features, Morphological features, Sentential features; Spelling Rules, Punctuation; Correspondence: Resume, Petition, Letter, Business letter.
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Course Name: Turkish Language II	Code: TDL 104	School of Civil Aviation Department of Aviation Management	L 2	P 0	C 2	ECTS 2
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Course Content	Features of Conversation: Rules to be observed in conversation, Effective speaking; Listening: Rules to be observed in listening; Reading: Reading with understanding, Critical reading; Types of Writing: Story, Novel, Article, Essay, Poem, Theater.
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Course Name: English I	Code: YDL 105	School of Civil Aviation Department of Aviation Management	L 2	P 0	C 2	ECTS 2
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Course Content	The course includes classroom activities that demonstrate real communication skills to help develop language skills of university students. In addition, the course aims to assist students in developing their English language skills.
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Course Name: English II	Code: YDL 106	School of Civil Aviation Department of Aviation Management	L 2	P 0	C 2	ECTS 2
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Course Content	To provide grammar of English language, to provide daily life English for conversation skills.
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Course Name: Behavioral Sciences	Code: HVY109	School of Civil Aviation	L 3	P 0	C 3	ECTS 4
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				Department of Aviation Management			
Course Content	Introduction to Sociology and its Method; Emergence and theoretical approaches of sociology; Society and social structure; Socialization; Social groups; Family institution; Theoretical approaches to crime and crime types; Technology and Environment; Introduction to Psychology Sciences and its Method; Method of Psychology; Lifespan development psychology; Sensation and perception; Learning; Personality psychology, Personality theories; Mental health and adaptation; Social influences on behavior, Attitudes; Application areas of psychology and some measurement tools used in psychology.						
Course Name:	Code:	School of Civil	L	P	C	ECTS	
Introduction to Information Technologies	HVY 110	Aviation Department of Aviation Management	3	0	3	4	
Course Content	Introduction to Information Technologies; Information Age and Information Society; Information Systems; Algorithm Concept: What is an algorithm?, Fundamental properties of algorithms; Computer Organization; Operating Systems: What is an operating system?, Operating system tasks and types; Computer Software; Application Software: Word processing program, Reporting and spreadsheet program, Drawing program, Presentation program; Database: What is a database?, What are its types?; Data Communication and Computer Networks; E-mail Use, FTP; Internet and World Wide Web: What is the Internet?, Internet usage, Information search and access to information.						
Course Name:	Code:	School of Civil	L	P	C	ECTS	
Introduction to Civil Aviation	HVY 111	Aviation Department of Aviation Management	3	0	3	4	
Course Content	Development of Civil Aviation in the World; Definition and Classification of Civil Aviation Practices; International Civil Aviation System: Organizations, conventions, rules, bilateral agreements, air traffic rights; Law No. 2920 and Annexes of Turkish Civil Aviation: SSHUİ0-6A (Commercial aviation), SSHUİ-6B (General Aviation); Turkish Civil Aviation System;						

	Definition of Airports and Their Facilities: Flight line and terminal line facilities, terminal design.						
Course Name: Introduction to Law	Code: HVY 112	School of Civil Aviation	L	P	C	ECTS	
		Department of Aviation Management	3	0	3	4	
Course Content	Social Rules and Law; Concept of Law and Legal Sanction; Characteristics of Legal Rules; Sources of Law; Branches of Law; Definition of Right and Types; Acquisition, Loss and Use of Rights; Types of Persons: Natural persons, Legal persons; Capacities of Natural Persons: Right capacity, Deed capacity; Kinship; Residence; Protection of Personality; Possession; Ownership; Debt Relationship and Responsibility; Judicial Bodies.						
Course Name: Mathematics I	Code: HVY 113	School of Civil Aviation	L	P	C	ECTS	
		Department of Aviation Management	3	0	3	4	
Course Content	Basic Concepts: Real numbers, Coordinate system on a plane, Function concept, Linear functions, Polynomial functions, Rational functions, Algebraic functions, Exponential and logarithmic functions; Limit and continuity; Derivative: Derivative concept, Derivative rules; Applications of Derivative: Maximum and minimum problems, Applications of derivative in economy and other fields, Graph drawing; Multivariable Functions: Partial derivative, Maximum and minimum of functions of several variables. Integral: Definite integral, Properties of definite integral, Fundamental theorem of differential and integral calculus, Integral techniques: Variable change, Partial integration, Integral of rational functions; Applications of Integral: Applications of integral in economy and other fields; Matrices, Determinants, Linear system of equations.						
Course Name: Aviation History	Code: HVY 114	School of Civil Aviation	L	P	C	ECTS	
		Department of Aviation Management	3	0	3	4	
Course Content	History and Development Process of Civil Aviation in Turkey and Worldwide, Divisions of Civil Aviation, Development of Civil Aviation in Turkey, Abbreviations and Codes used in						

	Civil Aviation, Turkish Civil Aviation Law, International Civil Aviation Organizations, National Aviation Authorities, General Aviation Scope.						
Course Name:	Code:	School of Civil	L	P	C	ECTS	
Introduction to Business Administration	HVY 115	Aviation Department of Aviation Management	3	0	3	4	
Course Content	Introduction and General Information: Basic concepts, Business purposes and types, Business system and external environment; Establishment of Businesses: Initial establishment works, Establishment phases, Feasibility decision; Legal Structures of Businesses: Private businesses, Public businesses, Mergers of businesses, Foreign-capital businesses, Multinational businesses, Global businesses; Functions of Businesses: Management function, Marketing function, Finance function, Human resources function, Accounting function, Public relations function, Research and development function; Digital Decision Models in Businesses: Decision types, Decision environments, Main digital decision types.						
Course Name:	Code:	School of Civil	L	P	C	ECTS	
Aviation Terminology	HVY 116	Aviation Department of Aviation Management	3	0	3	4	
Course Content	Basic concepts, Terminology related to passenger services, ground handling, air traffic control, pilotage, meteorology, aircraft parts, airline management.						
Course Name:	Code:	School of Civil	L	P	C	ECTS	
Introduction to Economics	HVY 117	Aviation Department of Aviation Management	3	0	3	4	
Course Content	Introduction to Microeconomics; Demand: Concept, function, motives, elasticity; Supply: Concept, Function, Motives, Elasticity; Supply-Demand Equilibrium and Equilibrium Change; Consumer Theory: Utility, Principle of diminishing marginal utility, Marginal utility, Consumer equilibrium, Indifference curves, Budget line, Change in Consumer Equilibrium; Production Theory, Production function, Technology, Principle of changing returns,						

	Introduction to Macroeconomics; Gross Domestic Product and Measurement; National Income Concepts; Income Distribution; Consumption; Investment; Government Spending; Exports and Imports; Balance of Payments; Money Supply and Demand; Equilibrium in Goods Market; Equilibrium in Money Market; General Equilibrium in Macroeconomics; Inflation and Unemployment Conjuncture; Economic Growth Theories and Development; Classical and Keynesian Views; New Views and Theories in Macroeconomics; Key Issues in Macroeconomics; Turkish Economy.
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Course Name: Fundamentals of Aircraft	Code: HVY 118	School of Civil Aviation	L	P	C	ECTS
Code: HVY 302		Department of Aviation Management	3	0	3	5

Course Content	Introduction to aircraft basic knowledge. History of aviation, Terminology, Development of aviation in the world and Turkey; Classification of flying objects; Old and new aircraft types; Basic aircraft elements: body, wing, tail unit, main flight control surfaces and features, landing gear and power systems.
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Course Name: Financial Accounting	Code: HVY 119	School of Civil Aviation	L	P	C	ECTS
		Department of Aviation Management	3	0	3	4

Course Content	Business and Accounting Related Information: Effect of financial events on financial statements; Financial Information Collection Techniques: Accounting vouchers, Types of accounts; Daily Transactions: Opening of accounts; Purchase and Sales Transactions: Periodic inventory method, Perpetual inventory method and revenue transactions, Marketable securities transactions; Banking Transactions: Documents related to banking transactions, Deposit transactions, Credit transactions, Cash credits, Guarantee credits; Bill Transactions: Types of bills, Accounting of bill transactions, Fixed asset transactions, Inventory transactions, Errors.
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Course Name: Airport Operations and Equipment	Code: HVY 201	School of Civil Aviation	L	P	C	ECTS
		Department of Aviation Management	3	0	3	4

Course Content	Airport Concept, Airside Facilities and Equipment, Declared Distances and Calculations, Instrument Runways and Characteristics, Obstacle Limitation Surfaces, Visual Aids for Determining Obstacles, Runway Markings and Lighting in the Runway Safety Area, Runway Bearing Strength and Calculation Methods, Airport Master Planning, Layout of Airside and Landside Facilities, Airport Terminal Types and Airport Service Process, Surface Covering Condition Protective Activities-Rescue and Firefighting Activities-Wildlife Hazard Management, Obstacle Control Airport Operational Activities
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Flight Operations	HVY 202	Aviation	3	0	3	5
		Department of				
		Aviation Management				

Basic Flight Operations Principles; AIP and Sections; Flight Plan; Meteorological Services for International Air Navigation; Significant Weather; Information Services Provided to Operators and Flight Crews; Aerodrome Operating Minima; Take-off and Landing Performances; Factors Affecting Take-off and Landing; Flight Operations Control; Responsibilities of Flight Operations Officer; Dispatch Reliability and Dispatch of Flight; Fuel Planning Principles; Selection and Use of Airports.

Course Name:	Code:	School of Civil	L	P	C	ECTS
Financial Management	HVY 203	Aviation	3	0	3	4
		Department of				
		Aviation Management				

Objective, Definition and Functions of Financial Management; Organization of the Finance Department in Businesses; Impact of Inflation on Financial Decisions; Interest Calculations and Time Value of Money; Financial Analysis: Methods, Types; Financial Planning: Methods, Types; Financial Control and Audit; Sources of Financing: Short, medium and long-term financing; Cost of Capital and Capital Structure; Capital Budgeting; Dividend Policy; Working Capital Management: Cash, Marketable Securities, Receivables, Inventory; Fixed Asset Management: Project Evaluation and Financing; Special Issues and Solutions in Financial Management.

Course Name:	Code:	School of Civil	L	P	C	ECTS
Ground Handling and RAMP	HVY 204	Aviation	3	0	3	5
		Department of				
		Aviation Management				

Course Content	Ground Handling Concept and Scope: Development of ground handling; Parties; Regulations; Classification of Ground Handling; Management and Organization in Ground Handling; Ground Handling Practices; Aircraft Weight Definitions: Maximum landing weight, Maximum take-off weight, Fuel weight, Dry operating weight; Aircraft Load Structure: Unit Load Device (ULD) loading, A and W pallet loading, Bulk loading, Loading limitations; Maximum Load Calculations; Load Distribution; Load Securing; Loading Process: Last in first out rule; Safety Monitoring and Preventing Damage Methods; Dangerous Goods.
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Course Name: Flight Theory	Code: HVY 205	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 5
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Course Content	Theory of Flight: Aerostatic and aerodynamic lift; Basic Aerodynamics: Physical properties of air and standard atmosphere, Flow regimes, Components of aerodynamic forces; Lifting Surfaces on Aircraft: Geometric, structural and aerodynamic characteristics of wings, Wing installation on aircraft, Flaps; Aircraft Fuselage: Geometric, structural and aerodynamic characteristics; Aircraft Landing Gear: Types and components; Control and Stabilizing Surfaces: Primary flight control surfaces and characteristics, Flettner tabs and characteristics; Powerplants on Aircraft: Piston engine + propeller, Jet engines.
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Course Name: Marketing Management	Code: HVY 206	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Marketing Concept: Development stages of marketing, Marketing functions, Marketing environmental conditions, Marketing information system and marketing research, Market concept, Market segmentation and targeting, Consumer and industrial purchase behaviors, Product, Price, Distribution channels and physical distribution, Promotional efforts, International marketing.
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Course Name: Management and Organization	Code: HVY 207	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 5
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Course Content	<p>Management: Definition, Importance for businesses, Comparison with similar concepts; Development of Management Science: Classical, Behavioral, Modern management approaches; Comparison and Evaluation; Authority and Power Concepts: Characteristics, Delegation of authority; Organization Concept: Characteristics, Principles, Comparison with planning process, Division; Staffing: Characteristics, Staffing process; Leadership: Characteristics, Leadership process; Organization Structures: Classical Approaches, Change in organization structures from classical approach to present, Comparison; Control: Characteristics, Control process.</p>
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Course Name:		School of Civil	L	P	C	ECTS
Operation and Performance	Code: HVY 208	Aviation Department of Aviation Management	3	0	3	5

Course Content	<p>Aircraft Weights Related to Load and Balance, Importance of Balance: Center of gravity and Balance, Moment, Center of gravity, Main Aerodynamic Wing Section Parts and Calculations, Limits of Center of Gravity, Load and Balance Calculation Methods: Graphical Method, Table Method; Effects of Overloading on Aircraft Performance: Take-off, Climb, Level Flight, Descent, Stall, Effects on Performance: Take-off, Climb, Level Flight, Descent, Stall, Effects of Loading at the Rear and Front Limits of the Center of Gravity on Aircraft Performance: Take-off, Level Flight, Descent, Air Transport of Passengers and Loads: Mail, Passengers, Baggage, Cargo Regulations and Limitations, Loading Limitations: Load Limitations, Aircraft Limitations; Preparation of Load and Balance Form, Loading Limitations: Load Limitations, Aircraft Limitations; Preparation of Load and Balance Form, Loading Limitations: Load Limitations, Aircraft Limitations; Preparation of Load and Balance Form, Loading Limitations: Load Limitations, Aircraft Limitations; Preparation of Load and Balance Form, Loading Limitations: Load Limitations, Aircraft Limitations; Preparation of Load and Balance Form, Loading Limitations: Load Limitations, Aircraft Limitations; Preparation of Load and Balance Form</p>
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Course Name:		School of Civil	L	P	C	ECTS
Entrepreneurship	Code: HVY 209	Aviation Department of Aviation Management	3	0	3	4

Course Content	Entrepreneurship Concepts; Importance and Development of Entrepreneurship; Characteristics of Entrepreneurs; Internal and External Entrepreneurship; Motivation in Entrepreneurship; Creativity and Innovation in Entrepreneurship; Protection of Inventions, Brands and Designs; Business Ideas in Entrepreneurship; Preparation and Documentation of Business Plan; Management, Marketing, Finance and Production Plans in the Business Plan; Entrepreneurship Stories; Case Studies Examination in Entrepreneurship.						
Course Name: Passenger Services	Code: HVY 210	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Definition of a Passenger; Transportation of Valuable Documents; Transportation of Baggages; Stopover Points on Travel: Stopover, Transfer, Transit; Special Issues to Consider on Passenger Ticket; Tickets Subject to Special Rates; Baggages Subject to Special Rates; Piece-Wise Transportation; Procedures for Excess Baggage Transportation; Procedures for Transportation of Pets; Rules Regarding Cabin Baggage; Endorsement (Ticket Approval); Reissue.						
Course Name: Air Transportation	Code: HVY 211	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Transportation System: Introduction and comparison of transportation sub-systems; Air Transportation: Structure of air transportation, Economic and social impacts and benefits of air transportation; Elements of Air Transportation: Airlines, Airports, Aviation services, Regulatory and oversight bodies, Customers; Commercial Air Transportation Related Regulations: Economic regulations, Technical regulations, JAA/EASA regulations, Regulations in Turkey; Air Transportation in the World; Air Transportation in Turkey.						
Course Name: Organizational Behavior	Code: HVY 212	School of Civil Aviation	L 3	P 0	C 3	ECTS 4	

		Department of Aviation Management				
Course Content	<p>Scientific Foundations of Organizational Behavior; Historical Development of Organizational Behavior; Research Techniques in Organizational Behavior; Individual and Personality within the Organization; Attitudes and Job Satisfaction; Foundations of Individual Differences, Biographical Characteristics, Skills and Learning; Organizational Culture; Groups and Group Processes in Organizations; Group Work Techniques and Participatory Management in Organizations; Motivation Process and Theories in Organizations; Leadership and Theories in Organizations; Conflict in Organizations; Stress and its Management in Organizations; Organization Environment and Technology; Organizational Change; Organizational Development; Teamwork in Organizations; Power and Politics in Organizations.</p>					

Course Name: Meteorology		School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
	Code: HVY 213		3	0	3	4

Course Content	<p>History of meteorology, Atmosphere, Pressure, Density, Synoptic charts, Pressure systems, Altimeter, Temperature, Humidity, Stability, Turbulence, Wind, Local winds, Upper winds, Air Masses, General Circulation, Jet streams, Clouds and precipitation, Thunderstorms, Factors limiting meteorological visibility, Icing, Meteorological documents for flight, Meteorological charts, Meteorological codes (TAF, METAR).</p>					
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Course Name: Navigation and Aids		School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
	Code: HVY 214		3	0	3	4

Course Content	General Descriptions of Radio Waves; ADF (Automatic Direction Finder); VOR (VHF Omni Range); DME (Distance Measuring Equipment); ILS (Instrument Landing System); MLS (Microwave Landing System); RADAR (Radio Detection and Ranging); OMEGA; GPS (Global Positioning System); INS (Inertial Navigation System); Types of Charts; General Descriptions; Types of Altitudes; Charts;
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Airline Management	HVY 301	Aviation Department of Aviation Management	3	0	3	5

Course Content	Systems Approach to Air Transportation; Airlines and Air Transportation Service: Airlines, Air transport market, Supply and demand; Cost Structure of Airlines; Management and Organization of Airlines; Functional Divisions of Airlines; Operations Process in Airlines; Network Structure of Airlines: Linear route system, Cross route system, Hub & Spoke system; Global Airline Concept; Airline Alliances; Development of Air Transportation; New Management Approaches in Airlines; Airlines and E-commerce; Air Cargo Carriers.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Airport Management	HVY 302	Aviation Department of Aviation Management	3	0	3	5

Course Content	Airport Ownership and Management Models; Privatization of Airports; Infrastructure Issues Related to Airports; Economic and Financial Characteristics of Airports; Revenue and Cost Structures of Airports; Pricing of Airport Services: Alternative pricing policies; Relationship between Airport Physical Design and Revenue Structure: Development of airports commercial strategies; Performance Measurement and Valuation of Airports; Administrative Review of the Current Situation of Airports in Turkey and Future Outlook.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Aviation Security	HVY 303	Aviation	3	0	3	5

		Department of Aviation Management				
Course Content	History of aviation security and examination of illegal incidents against civil aviation. Terminology related to aviation security. National and international regulations related to aviation security. Plans and programs related to airport security. Security zones. General airport security. Physical security measures at airports. Aircraft security. Aircraft security. Human factor in aviation security. New developments affecting aviation security. New trends regarding the future state of aviation security.					
Course Name: Airline Marketing	Code: HVY 304	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 5
Course Content	Definition and Scope of Marketing; Marketing Concept and Function, Characteristics of Marketing, Airline Marketing; Structure and Characteristics of Airline Industry, Marketing Environment, Airline Marketing, Characteristics of Airline Marketing, Customer, Marketing Strategies, Product in Airline Marketing, Pricing and Revenue Management in Airline Market, Distribution in Airline Marketing, Promotion in Airline Marketing, Relationship Marketing in Airline Sector, Brand Management in Airline Marketing, Brand Management in Airline Marketing, Future of Airline Marketing, New Developments in Air Transportation, New Developments in Air Transportation.					
Course Name: Air Traffic Rules and Services	Code: HVY 305	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4

Course Content	Definitions; Abbreviations; Applicability of Air Traffic Regulations; Implementation of Air Traffic Regulations by States; Amendment of Air Traffic Regulations; Responsibility for Amendment of Air Traffic Regulations; Separation; Proximity; Intersecting Crossing Traffic; Descents; Lights Carried by Aircraft; Flight Plans; Validity of a Flight Plan; Contents of a Flight Plan; Completion of a Flight Plan; Signalling; Visual Flight Rules Traffic; Instrument Flight Rules Traffic; Minimum Flight Levels/Altitudes; Cancellation of Instrument Flight Rules for Visual Flight Rules; Intercept Procedures for Civil Aircraft; Unlawful Interference.						
Course Name: Strategic Management	Code: HVY 306	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Management, Manager Concepts, Strategy, Strategic Management Concepts, Strategic Planning Management Approaches, Motivation, Communication, Crisis Management, Time Management, Analysis of Airlines, SWOT Analysis, Strategic Decisions in Businesses, Preparation and Implementation of Long-Term Company Policies in a Competitive Environment.						

Course Name: Flight Performance	Code: HVY 307	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Fundamental Concepts: Coordinate systems and axes; wing planform; relationship between lift, weight, thrust and drag. Increasing Lift: Flaps, leading edge slots, slats, boundary layer control, slot and slotted flap combination. Flight Controls: Aerodynamic balance, power-actuated controls, mass balance, three-axis control, tabs. Steady-State Flight: Straight and level flight and performance characteristics. Steady-State Flight: Sustained climb, sustained descent and glide, glide ratio. Basic Manoeuvres: Coordinated turn, load factor, bank angle, stall. Basic Manoeuvres: Flight envelope and structural limits, V-speeds. Flight Stability: Fundamental concepts, static and dynamic stability. Flight Stability: Effects of high-speed flight on stability. Flight Stability: Longitudinal stability, pitching moment. Flight Stability.						
			L	P	C	ECTS	

Course Name: Public Relations	Code: HVY 308	School of Civil Aviation Department of Aviation Management	3	0	3	4
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Course Content	Historical changes in Public Relations, its functions and related fields, application areas of Public Relations discipline and project planning phases in campaigning process, Definition of Communication, communication process, communication types, basic elements of communication, models and importance; mass media, interpersonal communication, communication systems and research topics related to communication process.
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Course Name: Aviation English I	Code: HVY 309	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Alphabet and Numbers Used in Aviation; Aviation Industry: History, Organization and Institutions, Units Constituting the Aviation Industry; Air Transportation; Aircraft; Airports: Airport Design and Operations; Environmental Impacts of Airports: Noise, Air and Water Pollution; Other Issues Related to Civil Aviation: Aircraft Accidents, Marketing Activities, Services Provided During Flight, New Aircraft Types, Collaborations, Mergers.
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Course Name: Aviation English II	Code: HVY 310	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Alphabets and Numbers Used in Aviation; Aviation Industry and Periodical Aviation English Language Training Covering Regular Flight Operations, Irregular Flight Operations and Emergencies in the Aviation Industry.
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Course Name: Crisis Management in Aviation	Code: HVY 311	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	The uncertain and changing environmental situation regarding aviation constantly exposes organizations to unexpected threats or opportunities. Organizations' ability to survive depends on protecting themselves from these threats or taking advantage of opportunities. This course aims to teach how public relations can be utilized beneficially in times of crisis within organizations.
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Course Name: Transportation Policies	Code: HVY 312	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Transport Concept, Development and Importance, Policy Concept and Strategic Management, Transport Systems and Subsystems, Transport Modes, Situation in Turkey and World, Changes Affecting Transport Industry, Changes Affecting Transport Industry, International Regulations and EU Transport Policy, Analysis of Turkish Transport Policies, Analysis of Turkish Transportation Industry, Analysis of Turkish Air Transportation Industry, Analysis of Turkish Air Transportation Industry, Problems and Solution Proposals in Turkish Air Transportation Industry, Examples of Strategic Management in Public and Private Air Transportation Operators.
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Course Name: Innovation and technology management	Code: HVY 314	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Fundamental concepts; change, design, invention, innovation. Types of innovation; product, process, marketing and organizational innovations. Value of innovation for individuals, companies and countries. Relationship between innovation and development. Innovation models. Systems approach in innovation management; national, regional and sectoral innovation systems. Innovation strategy. Innovation management process. Intellectual property rights. Financing of innovation; local and international sources for financial support of innovation.
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Course Name: Labor Law	Code: HVY 315	School of Civil Aviation	L 3	P 0	C 3	ECTS 4
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		Department of Aviation Management					
Course Content	<p>The concept and sources of employment/labor law, employment contract (types, terms, termination etc.), definition of employee and their rights. Employer's rights and responsibilities, terms and conditions of employment, wage law, social security law, trade unions and collective bargaining agreement law. Workplace injuries, occupational diseases and social insurances, employee claims from non-contractual employment, dismissal and severance pay, harassment and discrimination at workplace. Legal status of employer and employee organizations, collective labor disputes and resolution methods. An Employment/Labor Law course generally addresses these types of topics covering the legal rights and obligations of employers and employees.</p>						
Course Name: Accident and Incident Investigations in Aviation		Code: HVY 316	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
Course Content	<p>Procedures for on-scene investigation including collection and analysis of evidence; Reconstructing the sequence of events and assessing human, technical and environmental factors; Developing safety recommendations addressing identified risks to enhance aviation safety; International standards for accident investigation per ICAO Annex 13; Roles of investigation authorities such as NTSC/AAIB; Implementation of recommended safety actions derived from investigation reports</p>						
Course Name: Risk Management in Aviation		Code: HVY 317	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
Course Content	<p>The main focus of this course is to understand approaches to risk management in aviation. Students will learn to identify and evaluate risks, and then understand how risks can be mitigated. Key topics covered include: Defining risks and hazards relevant to flight operations; Risk assessment and control processes as per international standards; Case studies of how operators manage safety risks; Safety management systems for hazard identification and risk mitigation; Human factors considerations in risk management</p>						
				L	P	C	ECTS

Course Name: Human Resource Management	Code: HVY 318	School of Civil Aviation Department of Aviation Management	3	0	3	4
Course Content	Introduction to Human Resource Management: Basic functions and organizational structure of HR; Workforce planning: Methods and tools for planning staffing needs; Job analysis: Job descriptions and job requirements; Recruitment: Sourcing, selection processes; Onboarding: Employee training and orientation; Performance management: Evaluation methods and avoiding biases; Discipline systems: Types of disciplinary actions and enforcement; Compensation management: Job evaluation, pay models and structures; Benefits and services: Retention programs, talent development					

Course Name: Aviation Economics and Policy	Code: HVY 319	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
Course Content	The definition and importance of transportation, the transportation industry, transportation policy and intermodality, transportation modes, intermodal transportation and changes impacting the transportation industry. European Union transportation strategies and policies, analysis of Turkey's transportation policies, analysis of the air transportation industry and the impact of changes on the air transportation industry. Strategic management in air transport including internal and external environmental analysis, investment strategies and planning, and strategic management case studies.					

Course Name: Decision Making Techniques	Code: HVY 320	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
Course Content	Definition and importance of decision making, characteristics of information in the decision making process and information sources, elements in the decision making process, decision makers and their qualities, features of decision subjects and decision types, stages of the decision making process, approaches in the decision making process,					

	decision making and problem solving methods, developing alternatives and forecasting in the decision making process, management information system.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
General Aviation	HVY 321	Aviation Department of Aviation Management	3	0	3	4

Course Content	General Aviation Concept and Scope, Development of General Aviation, Regulations related to General Aviation, General Aviation Practices in the World, General Aviation in Turkey, Training Institutions, Discussion related to selected articles, Air Taxi Operation, Leasing, Corporate Aviation, Personal or Private General Aviation, Aviation for Sports, Demonstration or Promotion, Aircraft Types used in General Aviation, Discussion related to selected articles, Future of General Aviation, Problems in General Aviation.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Supply Chain Management	HVY 322	Aviation Department of Aviation Management	3	0	3	4

Course Content	Supply Chain and Supply Chain Management Concepts, Decisions in Supply Chains, Supply Chain Management Components, Supply Chain Partners, Factors Affecting Supply Chain Effectiveness, Role of IT in Supply Chain Management, Supply Chain Dynamics, Bullwhip Effect and Mitigation Approaches, Production and Outsourcing Decisions, Benchmarking, Supplier Selection and Methods, Distribution, Distribution Channels, Distribution Requirements Planning, Distribution Resource Planning, Transportation Management and Warehouse Management, Supply Chain Network Design and Optimization, Enterprise Resource Planning (ERP), Lean Supply Chain, Agile Supply Chain, Reverse Supply Chain Management, Green Supply Chain, Supply Chain Performance Measurement, Evaluation of Turkey's Supply Chain and Logistics Infrastructure, International Supply Chain Management.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Quality Management in Aviation	HVY 323	Aviation	3	0	3	4

				Department of Aviation Management					
Course Content	Quality Concept, Evolution of Quality Concept, Global Competition and New Management Paradigms, Differences Between Total Quality Management and Classical Management, Philosophy and Principles of Total Quality Management, Tools of Total Quality Management, Implementations of Total Quality Management, Functioning of Quality Control Circles, Applying Total Quality Management as a Process, Leadership and Importance in Total Quality Management, Conditions for Success of Total Quality Management, Criticisms towards Total Quality Management, Total Quality Management in Turkey, Quality Awards in Quality Implementations.								
Course Name: Flight Planning and Monitoring		Code: HVY 324		School of Civil Aviation Department of Aviation Management		L	P	C	ECTS
						3	0	3	4
Course Content	Aviation Planning Concept, Aviation Meteorology, Air Traffic Services, Roles, Responsibilities and Authorities of Air Traffic Controllers, Fuel Planning, Air Traffic Flow Management Centre, Flight Planning, Flight Operations Analysis, Alternate Airport Selection, ETOPS (Extended Twin Operations), Ground Speed Range, Flight Time Calculation, SITA AFTN Message Types, ICAO Flight Plan, Computer Flight Plan.								
Course Name: Statistics		Code: HVY 325		School of Civil Aviation Department of Aviation Management		L	P	C	ECTS
						3	0	3	4
Course Content	Basic Probability (Sample spaces and events, Probability axioms, Conditional probability, Independent and mutually exclusive events); Statistical Probability (Random variables, Probability distributions, Expected value and variance); Descriptive Statistics (Organizing and summarizing data, Measures of central tendency and variability, Graphical descriptive techniques); Inferential Statistics (Sampling distributions, confidence intervals, Hypothesis testing, inferences from sample data)								
						L	P	C	ECTS

Course Name: Aviation and Tourism	Code: HVY 326	School of Civil Aviation Department of Aviation Management	3	0	3	4
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Course Content	The objective of this course is to learn how to identify popular destination countries, provide recommendations related to transportation, accommodation, and tourism products. Along with applying IATA regulations to travel business and activities, reaching out to new and existing customers, handling sales objections, creating complex itineraries and managing changes in ticketed travel.
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Course Name: Management Information Systems	Code: HVY 327	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
			3	0	3	4

Course Content	Concept of Information Systems: Elements of Information Systems, Classification of information requirements, Managing Digital Business, Managing Hardware and Software Assets, Managing Data Sources, Telecommunications and networks, Internet and new information technology infrastructure, Using information systems in business, Information systems, organisations, management and strategy, Digital business, Improving managerial decision making, Reorganising the organisation with BS, Understanding the value of systems and managing change
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Course Name: CRS Practices	Code: HVY 328	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
			3	0	3	4

Course Content	Basic Ticketing Principles, Encoding, Decoding, Timetable Entries, Flight Display, Sale on Flight Display, Waiting list and ARNK Segment, Examination, Name, Phone Number, Ticketing and Booking Entries, OSI, SSR entries, Dividing Reservation File, Fare display, Fare Quote, Miscellaneous Entries, Document Production
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Course Name: Cost and Management Accounting		Code: HVY 329	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
				3	0	3	4
Course Content	Basic cost accounting concepts and cost behavior, cost allocation methods like job-order and process costing, cost-volume-profit analysis, budgeting techniques, variance analysis and using accounting information for decision making. Real-world applications and case studies are also often incorporated.						
Course Name: Finance in Aviation Business		Code: HVY 330	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
				3	0	3	4
Course Content	Financial problems in air transport; Asset and liability structure in aviation businesses; Financing needs and financial planning in airline businesses; Financing needs and Financial planning in airport operations; Sources of financing in aviation businesses; Financial leasing in airline businesses; Revenue-expenditure structure and profitability of airline businesses; Income-expenditure structure and profitability of airport operators' profitability; Financial risks in aviation businesses; Airport project financing and BOT projects; Financial situation of airline businesses in Turkey; Financial situation of major airline businesses in the world; Financial situation of airport operators in Turkey; Financial condition of major airport operators in the world						
Course Name: Production Management in Service Companies		Code: HVY 331	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
				3	0	3	4
Course Content	Basic Concepts of Production Management, Production Systems, Service Businesses; Structure of Services, The place of service sector in the economy, types of services,						

Product and service design and development, Lean Production, Kano Analyses, Balance Score Card, Case Study.
Dash Board; Swot Analysis, QFD, Muda, Error Proof, Failure Mode Effect Analyze, 5S, Work Out-3S; Process Map, Case Studies, Capacity Planning, Inventory Management, Six Sigma Management, Wage Management, Job Analyses, Airline Service Production Management

Course Name:	Code:	School of Civil	L	P	C	ECTS
Maintenance Management In Aviation	HVY 401	Aviation Department of Aviation Management	3	0	3	5

Course Content
General Concepts Related to Aircraft Maintenance; Technical Regulations Related to Aircraft Maintenance; Limitations of Aircraft Maintenance Activities; Activities Constituting Aircraft Maintenance; Maintenance Regulations and Basic Maintenance Methods; Development of Basic Maintenance Program; Examination of Aircraft Maintenance Department in a Typical Airline; Core Processes in Aircraft Maintenance Department; Documentation in Aircraft Maintenance; Provision of Aircraft Maintenance Services from External Resources; Maintenance Activities in Financial and Operational Leasing; Aircraft Maintenance Costs.

Course Name:	Code:	School of Civil	L	P	C	ECTS
Air Cargo and Dangerous Goods	HVY 402	Aviation Department of Aviation Management	3	0	3	5

Course Content	<p>Basic Concepts; Air Cargo and Its Importance: Related organizations and regulations; World Air Cargo Market and Trends; Global Trade and Air Cargo Industry; Logistics and Cargo Interaction; Cargo Types; Cargo Handling Procedures: Reservations and rules, Cargo acceptance and control; Responsibilities of Shipper, Agent and Carrier; Aircraft Types and Ground Support Equipment; Unit Load Devices; Loading Charts; Aircraft Loading Procedures; Special Cargoes: Dangerous goods, live animals, perishable cargo etc.; Identification, Acceptance, Packaging, Labeling, Marking and Handling Procedures of Special Cargoes; Completion of Air Waybill, Automation in Cargo. Concept of Dangerous Goods and Classifications; Dangerous Goods That Cannot be Transported by Any Means; Units and Documents Used; Responsible Groups for Transport of Dangerous Goods by Air: Shippers, Cargo agents, Airline operators, Load planners and flight crew, Loading and storage personnel; Use of Dangerous Goods Tables; Use of Packaging Instructions and Tables; Packaging Features and Performance Tests; Marking and Labeling of Packages; Responsibilities of Shipper and Carrier for Dangerous Goods; Preparation of Air Waybill; Acceptance, Storage, Loading and Inspection of Dangerous Goods.</p>
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Course Name: Aviation Safety	Code: HVY 403	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 5
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Course Content	<p>Safety Concept in Aviation Activities: Risk and safety concepts, Aircraft accidents and incidents, Measurement of safety; Factors Affecting Safety: Civil aviation system, Causes of aircraft accidents; Human Factors in Aviation Safety: SHELL model, Human performance: environmental factors, physiological factors, psychological factors; Error Management Models: Aircraft Swiss cheese model, Helmreich model; Resource Management Programs: Flight crew resource management, Maintenance resource management, Air traffic resource management, Dispatch resource management; Passenger Safety; Case Studies in Aviation Safety; Development of Safety Culture in Organizations; Accident Investigation.</p>
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			L	P	C	ECTS
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Course Name: Project Management	Code: HVY 404	School of Civil Aviation Department of Aviation Management	3	0	3	5
Course Content	Introduction to Project Management; Success Factors in Project Management; Structure and Processes in Project Management; Project Integration Management; Project Selection Methods: Mathematical models, Linear programming, Non-linear programming; Project Scope Management: Project objectives, Work breakdown structure, Project management plan, Project monitoring and control; Project Time Management: Activity definition, Activity sequencing, Activity time estimating, Gantt charts, Critical path, PERT; Project Cost Management: Cost control techniques; Project Risk Management: Quantitative risk analysis techniques, Qualitative risk analysis techniques; Project Quality Management; MS Project Applications.					
Course Name: Air Law	Code: HVY 405	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 5
Course Content	Introduction to Air Law; International Conventions and Organizations: Chicago Convention, International Civil Aviation Organization, Warsaw Convention and Carrier's Liability, Hague Convention, Air Traffic Rights Agreement, Tokyo Convention, European Civil Aviation Conference, Eurocontrol, European Union Aviation Regulations; Turkish Civil Aviation Regulations; Aircraft: Concept and Types, Legal Nature, Nationality, Registry, Ownership of Aircraft; Aircraft Operator: Liability of the Operator, Insurance Obligation of the Operator; Air Transportation Contract; Regulations on Competition and Cooperation in Air Carriage.					
Course Name: Airline Fleet Planning	Code: HVY 406	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4

Course Content	Fleet Concept and Fleet Planning in Airline Operations: Airline's mission, strategy and relation to fleet planning, Relationship between marketing and fleet planning, Economic and environmental impacts of fleet planning, Flexibility in fleet planning; Organization of Fleet Planning: Aircraft comparisons in terms of types, performances, operations, technology, ergonomics and marketing factors, Evaluation regarding flight rules, airport characteristics and flight networks; Analysis of Business Costs in Fleet Planning: Purchase and leasing costs, Maintenance costs, Ground handling costs, Landing and ATC costs, Fuel costs, Crew costs, Other cost-related constraints.
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Course Name: Crew Resource Management	Code: HVY 407	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Crew and Resource Concept, Development, Evolution and Phases of Crew Resource Management Concept, Human Factor, Skills in Crew Resource Management, Crewwork and Conflict Management, Leadership and Decision Making, Workload Management and Stress Management, Work Cycle in Crew Resource Management, Relationship between Crew Resource Management and Culture, Automation and Crew Resource Management, Reactions to Crew Resource Management.
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Course Name: New Trends in Aviation	Code: HVY 408	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Methods used by airlines to increase customer potential through competition; different onboard service offerings; variations in aircraft interior design; service quality standards; reduction of airport waiting times.
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Course Name: Operational Planning in Airline Companies	Code: HVY 409	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Airline planning, airline tariff/fare planning, slot and permit management, aircraft maintenance planning, fleet and aircraft assignment, airline crew planning, flight planning operations, flight monitoring and irregular operations management.						
Course Name: Customer relationship management	Code: HVY 410	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Concept of Customer Relationship Management; Customer Value and Customer Classification; Customer Relationship Process; Customer Service Quality and Control; Customer Complaints; Customer Loyalty: Customer acquisition and retention programs; Role of Information Technology: Knowledge management, Data mining, Sales force automation; Internet and Customer Relationship Management; Analysis and Planning Process of Customer Relationship Management; Integration of Customer Relationship Management with Business Strategy; Management of Customer-Focused Change.						
Course Name: Research Methods	Code: HVY 411	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Research Techniques: Basic and applied research methods, data collection techniques, data processing; Research Methodology: Topic selection, literature review; Conducting Detailed Research on a Selected Topic in Aviation Management: Defining the problem/topic details, determining solution approaches or research path, conducting research and practical work if any, presenting results; Report Writing: Page structure, sentence structure, headings, style of abbreviations, formatting of figures and tables, footnotes, format of references index and rules to follow.						
Course Name: Social Impact Projects	Code: HVY 412	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	

Course Content	The aim is to engage students in a social project by utilizing their knowledge and skills. Some examples of projects organized during after-school hours include assisting students, assisting people in elderly homes, disabled care centers and orphanages, conducting tree planting activities, raising environmental awareness and so on. The goal is for students to participate in meaningful community service projects that enrich people's lives.
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Course Name: Health and Firs Aid	Code: HVY 413	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Importance of First Aid in Society; Objectives of First Aid; Precautions to be Taken by the First Aid Provider; Human Body; First Aid Equipment; Resuscitation from Drowning and Ensuring Breathing; Stopping Bleedings and Ensuring Blood Circulation: External and internal bleeding signs and first aid, Diagnosing loss of consciousness and first aid, Causes of shock and diagnosing shock related to bleeding and first aid, Degrees of coma and first aid, First aid in cardiac arrest, Performing cardiopulmonary resuscitation together; Types of Injuries and First Aid; Burns and Scalds; Fractures, Dislocations and Sprains; Poisoning, Frostbite, Heat Strokes, and Electrical Injuries; Ensuring Communication; Preparing the Casualty for Transportation and Types of Transportation.
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Course Name: Organizational Culture	Code: HVY 414	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Definition and Importance of Organizational Communication; Organizational Theories and Communication; Functions of Organizational Communication; Organizational Communication Process; Channels of Organizational Communication; Methods and Tools of Communication in Organizations; Organizational Communication and Management Functions; Organizational Culture and Communication; Factors Hindering Organizational Communication; Methods for Improving Organizational Communication.
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Course Name: Gender Equality	Code: HVY 415	School of Civil Aviation	L 3	P 0	C 3	ECTS 4
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		Department of Aviation Management				
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Course Content	What is Gender? Different Approaches to Gender Inequality: Liberal Approach, Marxist Approach and Postmodernist Approach Feminist Approaches: Liberal Feminism Socialist Feminism Radical Feminism Manifestations of Gender Inequality Worldwide and in Turkey: Gender Inequality in Production Gender Inequality in Education Gender Inequality in Family Gender Inequality in Politics Gender Equality Policies Worldwide and in Turkey: Equality Policies in Work Life Equality Policies in Education and Family Equality Policies in Politics Evaluation
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Course Name: Model Aircraft Construction	Code: HVY 416	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Introduction to Model Aircraft Construction Course: Introduction to Model Making; Flight Principles of Model Aircraft; Basic Elements of Model Aircraft: Wing, Fuselage, Landing Gear, Empennage, Flight Controls, Power Group; Types of Model Aircraft: Free Flight Models, Radio Controlled Models; Plan Reading and Model Aircraft Construction Materials; Manufacturing Techniques; Flying Techniques.
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Course Name: Unmanned Aerial Vehicles	Code: HVY 417	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	History of UAVs, Definition of UAVs, Application Areas and Types of UAVs. UAV Structures, Aerodynamics, Engine, Battery and Control Elements, Radio Control and FPV Basic Information, Simulation and Flight Practical Training.
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Course Name: Analysis of Aviation Sector	Code: HVY 418	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Developments in the Aviation Industry and their Impacts on our Country. Today's Passenger and Cargo Potentials and Expectations of Countries. Cost Increases in Recent Years. Competition Between Airlines and Management Styles of Companies. Determining Factors in Company Success.						
Course Name: Leadership and Motivation	Code: HVY 419	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Concept of Leadership and Characteristics of Leadership, Acquisition and Development of Leadership Skills, Trait Approach, Behavioral Leadership Approach, Situational Leadership Approach, Charismatic Leadership, Transformational Leadership, Transactional Leadership, Strategic Leadership, Concept of Team Spirit, Importance and Management of Teams, Role of the Leader in Team Management, Definition of Motivation, Process of Motivation, XYZ Theories, Maturity Theory, Content Theories Related to Motivation, Process Theories Related to Motivation, Motivation Tools and Techniques.						
Course Name: Social Media for Business	Code: HVY 420	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Social media has become a widespread interaction tool used by all businesses today. However, social media needs to be utilized correctly from the perspectives of company, product and customer. The aim of this program is to appropriately integrate the use of social media into business life and train users accordingly.						
Course Name: English Speaking and Writing Skills I	Code: HVY 421	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4	
Course Content	Reading, comprehension, critical analysis and discussion; fundamental verbal expression (individual, pair and group); composition writing techniques, speech preparation methods.						
			L	P	C	ECTS	

Course Name: English Speaking and Writing Skills II	Code: HVY 422	School of Civil Aviation Department of Aviation Management	3	0	3	4
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Course Content	Students are encouraged to use the structures and vocabulary they have learned in other courses during speaking activities in class. In addition, students' skills of addressing, defending an idea and persuasion through individual and debate-style presentations based on topics of their own choosing are also developed. By adding current and educative song activities that are thought to enrich speaking lessons, students have the opportunity to acquire English used in daily life in an enjoyable and fun way. The content of the book used aims to support students' critical thinking, animate their imagination and help develop their personal expression skills. It is planned for the courses to become more productive by being conducted with book and material support.
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Course Name: Ethics in Aviation	Code: HVY 423	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	Fundamental Concepts, Teleological Ethics Theories: Egoism, Utilitarian Theory, Deontological Ethics Theories: Kant's Duty Ethics, Rawls' Distributive Justice Approach, Organizational Ethics and Related Concepts: Organizational Culture, Concept of Social Responsibility, Factors Affecting Ethical Behavior in Organizations: Individual Factors, Organizational Factors Affecting Ethical Behavior, Discussion of Case Studies, Discussion of Case Studies, Discussion of Case Studies.
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Course Name: Fatigue Management in Aviation	Code: HVY 424	School of Civil Aviation Department of Aviation Management	L 3	P 0	C 3	ECTS 4
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Course Content	What is Fatigue Risk? Examination of causes, consequences and costs of fatigue, Role of fatigue in major aviation occurrences, Effects of fatigue on safety, performance, efficiency and health, Understanding individual, organizational and environmental causes of fatigue, Development of Fatigue Risk Management Systems (FRMS), Limitations of prescriptive approach to fatigue management, FRMS as an additional approach to fatigue management, ICAO's Standards and Recommended Practices (SARPs) regarding FRMS: What they mean for States and Operators and benefits of FRMS.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Aviation Simulation Practices	HVY 425	Aviation Department of Aviation Management	3	0	3	4

Course Content	With the help of online software, a realistic virtual environment is created and students apply the theoretical knowledge learnt so far. Students manage an airline on the Business Simulation by making decisions on Route Planning, Fleet Selection, Revenue Management and Pricing, Marketing and Financial Analysis.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Quantitative Methods	HVY 426	Aviation Department of Aviation Management	3	0	3	4

Course Content	Decision problems, Models, Linear models, Linear programming: graphical solution technique, Linear programming: simplex solution technique, Special cases in simplex solutions, Transport problems: initial solution techniques, finding the optimal solution of transport problems, applications of network models, CPM; PERT, Least Cost Flow Models, Assignment models, Transshipment models, Inventory models.
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Course Name:	Code:	School of Civil	L	P	C	ECTS
Sustainability in Aviation	HVY 427	Aviation	3	0	3	4

		Department of Aviation Management				
Course Content	Sustainability Approach, Aviation Future Goals, European aviation goals, US aviation goals, Green Airport Environmental Management in Aviation, Noise, Waste management, Impact of aviation on climate change, New generation fuels, Emissions, Green aircraft engines, Environmental Sustainability Practices in Aviation, Social Sustainability Practices in Aviation					
Course Name: Airline Revenue Management	Code: HVY 428	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
			3	0	3	4
Course Content	The Airline Revenue Management course provides students with a comprehensive overview of the critical revenue optimization practices used by airlines worldwide. Students will learn about forecasting passenger demand and predicting market trends, determining optimal seat inventory controls and overbooking limits. Pricing strategies such as dynamic fare adjustments, seat allocation methods, and revenue-based seat bids will be examined in depth. Through hands-on simulations and case studies of major carriers, students will apply mathematical modeling techniques, optimize fares under different market conditions, and evaluate strategies that maximize airline profitability. The course equips students with practical revenue management skills that are highly valued by network planners and revenue analysts in the aviation industry.					
Course Name: Organizational Development and Change Management	Code: HVY 430	School of Civil Aviation Department of Aviation Management	L	P	C	ECTS
			3	0	3	4

Course Content	Some concepts related to change, theories of organisational change, change and culture in organisations, attitudes towards change, organisational development, schools as a professional learning community, leadership capacity, social development and education.
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