EUROPEAN UNIVERSITY OF LEFKE

DEPARTMENT OF
MANAGEMENT INFORMATION SYSTEMS

PROGRAMME HANDBOOK

2023

Department of Management Information Systems

The Management Information Systems (MIS) programme under the School of Applied Sciences, is a unique specialization with the combination of Business Fundamentals, Business Informatics, Informatics Fundamentals. Information and its technological applications can now be considered essential to any modern country's development from economic and technological perspectives. The programme integrates business and informatics elements leading to a four-year bachelor's degree.

The programme is for 4 years and 8 semesters with 130 credits (240 ECTS). The course credits are expressed in terms of both the credit system and the European Credit Transfer System (ECTS). In the current credit system, the evaluation criteria for the semester (midterm exams, homework, laboratory, presentation, project, and course participation) and the end of the semester (final exam, make-up exam, re-sit exam) and their weights are determined by the course lecturer.

Upon the completion of program, the students are awarded a Bachelor of Arts degree in Management Information Systems. The duration of the education (4 years) and awarded degrees are diplomas explicitly stated on the diploma. Each academic year of the MIS department contains 2 semesters (fall and spring) in 14 weeks. The University Senate prepares the annual academic calendar based on this 14-week period stretching to two semesters.

Additionally, some courses may be re-offered as a Summer School other than fall and spring semesters. The reason for the summer school is to offer the course(s) for students that failed; that didn't enrol before; that only have one or two courses left for graduation, or that retake some courses to raise their GPA. Summer School has a compressed 7-week duration, where the weekly class hours have been doubled.

Moreover, the MIS department program also provided two projects and summer training in addition to theoretical teaching. Students find the opportunity to use their theoretical knowledge through these practical courses.

The general aims of the programme are to;

- Provide students with the theoretical and interdisciplinary training necessary for academic and/or career advancements.
- Graduate individuals who can keep up with the latest developments and are aware of the problems of the era,
- Provide students necessary skills to be able to work as a part of a team or alone, and additional skills to take part in national and international projects,
- Provide students skills to critically think, write and speak,
- Provide the students with developing an appreciation of and respect for the social, moral, and ethical values to the community.

Graduates of the MIS programme are expected to be employed in various fields as information specialists, particularly as a system analyst, IT administrator, and database-related jobs. Along with such jobs, they may also work as a business analyst, network administrator, security supervisor, IT consultant, electronic commerce or electronic business consultant, or web developer. Later on in their careers, they can aspire to IT project manager and IT manager, as the mix of business and computing education makes them an ideal candidate for such roles. Alternatively, due to the multidisciplinary curriculum offered by the department, our graduates can also work in different fields such as education, media applications, construction, business administration, banking, and finance. The alumni surveys, employer surveys, and meetings with relevant stakeholders were decisive in the process of developing the education objectives of the programme.

In this regard, the educational objectives are as follows:

- EO1: Be capable of practicing information technology (IT) and successfully participate in both national and international organizations within the field of IT in a professional manner.
- EO2: Participate successfully in research and development areas in national and international universities/industries.
- EO3: Become entrepreneurs and/or acquire leadership skills (project management, team leadership, company directorship, and/or management) in the areas of computing, software, information systems, and the IT industry.
- EO4: Take part in the projects of various fields, working as part of a team or independently.

The programme outcomes for the degree programme are available on the EUL website. Senior Lecturers and course lecturers have contributed to the definition of the programme outcomes. The sectoral requirements are transmitted within the definition of the degree programme outcomes following the meetings with relevant stakeholders and experienced experts in the field. Student-centred learning and teaching play an important role in the determination of programme outcomes of our degree programme. The students are asked to evaluate the learning outcomes of all registered courses at the end of each academic semester. These evaluations are reviewed in the departmental meetings where any changes for the related course may occur if necessary. Thus, students are directly involved in determining or updating the programme outcomes. Furthermore, the student expectations, needs, and satisfaction concerning the programme, academic staff and university are a part of an ongoing process, where this is periodically examined by departmental surveys, meetings, and external reviews through Rectorate.

Moreover, recently graduated students evaluate the programme outcomes prior to leaving the campus. Their evaluation (Exit Evaluations) is comprised of the assessment of past four years in the department. The results of these final evaluations provide hints about the validity of our programme outcomes.

Additionally, at the end of each semester, a course evaluation form is filled out by the lecturer, where each grading item, e.g., exam questions, projects, or homework, is related to programme outcomes. The grade average by the students for each grading method in that term estimates the extent of each programme outcome (in terms of percentage) reached in practice by the students. The forms together with the evaluation methods ensure that every program outcome is fulfilled by the courses offered.

Therefore, the course learning outcomes interconnect to form program outcomes, which define the educational objectives, hence the competence profile. Also, the requirements of the post-graduate studies have been considered in the definition of the programme outcomes.

Finally, the summer internship, which requires each student to work within a company for 30 days, is a source that provides the department with the feedback from the sector on the student's knowledge and practical performance. During the summer internship presentations, students are encouraged to identify the problems and challenges within the company throughout their internship and discuss these issues with the jury members. Additionally, feedback from the relevant companies/organizations assistances us to enhance the relations between academia and sector. Also, our regular meetings with sister faculties (The Faculty of Engineering and Faculty of Economics & Administrative Sciences) are providing us indirect feedback from other sectors.

In this respect, students graduating from the Department of MIS will be expected to:

- PO1: Have effective verbal and written communication skills in the field of Information Technology (IT).
- PO2: Have the scientific foundations necessary for managing and maintaining information systems; in particular, an ability to apply knowledge of computing, logic, and mathematics where necessary when solving problems.
- PO3: Have the ability to identify, analyse, make decisions, apply strategies and implement solutions in complex management-related problems.
- PO4: Have the fundamental knowledge regarding technical concepts and practices in IT when working with key information systems, such as operating systems, database systems, communication systems, and networks.
- PO5: Have an acute awareness of the need for continued professional development with a view to life-long learning; conduct research where necessary, applying modern techniques while following developments in the Informatics industry.
- PO6: Have an awareness of current-day problems, and an understanding of professional, ethical, legal, security, and social issues.
- PO7: Be able to work and manage interdisciplinary research and development projects as an individual and/or as a member of a team, and be equipped with the theoretical background to pursue graduate-level studies.

MIS CURRICULUM (AFTER 2020-2021)									
COURSE CODE	**COURSE NAME**	**CREDIT**	**ECTS**	**COURSE TYPE**	**COURSE CODE**	**COURSE NAME**	**CREDIT**	**ECTS**	**COURSE TYPE**
COM100	INTRODUCTION TO COMPUTERS	(3,0)3	5	Compolsary	COM106 / ORT106	TURKISH / TÜRKÇE	(2,0)2	2	Compolsary
COM101	ENGLISH I	(3,0)3	3	Compolsary	COM108 / ORT108	HISTORY / TARİH	(2,0)2	2	Compolsary
COM104	PSYCHOLOGY	(3,0)3	6	Compolsary	COM110	ENGLISH II	(3,0)3	3	Compolsary
COM109	MATHEMATICS	(3,0)3	5	Compolsary	COM115	SOCIOLOGY	(3,0)3	7	Compolsary
COM112	ECONOMICS	(3,0)3	6	Compolsary	COM204	ETHICS IN PROFESSION	(3,0)3	8	Compolsary
SCI101	INTRODUCTION TO SOCIAL SCIENCES	(3,0)3	5	Compolsary	MIS152	INTRODUCTION TO INFORMATION SYSTEMS	(3,0)3	8	Compolsary
		18	30				16	30	
ACCT201	FINANCIAL ACCOUNTING I	(3,0)3	6	Compolsary	ACCT202	FINANCIAL ACCOUNTING II	(3,0)3	6	Compolsary
BUSN205	PRINCIPLES OF MANAGEMENT	(3,0)3	6	Compolsary	FEA102	PRINCIPLES OF LAW	(3,0)3	6	Compolsary
COM221	MATHEMATICS FOR SOCIAL AND APPLIED SCIENCES	(3,0)3	6	Compolsary	MIS214	PRINCIPLES OF OPERATING SYSTEMS	(3,0)3	4	Compolsary
COM223	MACROECONOMICS	(3,0)3	6	Compolsary	MIS251	PROGRAMMING FOR MANAGEMENT INFORMATION SYSTEMS	(3,0)3	3	Compolsary
MARK301	PRINCIPLES OF MARKETING	(3,0)3	6	Compolsary	SENG212	SOFTWARE REQUIREMENTS ANALYSIS AND SPECIFICATION	(3,0)3	5	Compolsary
STAT253	STATISTICS	(3,0)3	6	Compolsary					
		18	36				15	24	
BUSN303	PRODUCTION MANAGEMENT	(3,0)3	6	Compolsary	BUSN304	HUMAN RESOURCE MANAGEMENT	(3,0)3	6	Compolsary
MIS337	DATABASE MANAGEMENT SYSTEMS	(3,2)4	7	Compolsary	BUSN356	ENTREPRENEURSHIP	(3,0)3	6	Compolsary
TE - 1	TECHNICAL ELECTIVE - 1	(3,0)3	5	Elective	COM351	RESEARCH METHODS	(3,0)3	6	Compolsary
SENG305	SOFTWARE DESIGN AND ARCHITECTURE	(3,0)3	7	Compolsary	COMP342	COMPUTER NETWORKS	(3,0)3	5	Compolsary
TOUR302	PURCHASING AND COST CONTROL	(3,0)3	5	Compolsary	MIS306	HUMAN FACTORS IN COMPUTING	(3,0)3	7	Compolsary
		16	30				15	30	
BUSN461	STRATEGIC PLANNING AND MANAGEMENT	(3,0)3	5	Compolsary	FE - 2	FREE ELECTIVE - 2	(3,0)3	4	Free Elective
FE - 1	FREE ELECTIVE - 1	(3,0)3	4	Free Elective	MIS303	MANAGEMENT INFORMATION SYSTEMS	(3,0)3	5	Compolsary
MIS400	SUMMER TRAINING	(1,0)1	3	Compolsary	MIS412	INTERNET PROGRAMMING	(3,0)3	5	Compolsary
MIS410	GRADUATION PROJECT I	(1,0)1	3	Compolsary	MIS450	GRADUATION PROJECT II	(0,6)3	11	Compolsary
TE - 2	TECHNICAL ELECTIVE - 2	(3,0)3	5	Elective	TE - 4	TECHNICAL ELECTIVE - 4	(3,0)3	5	Elective
TE - 3	TECHNICAL ELECTIVE - 3	(3,0)3	5	Elective					
SENG407	SOFTWARE PROJECT MANAGEMENT	(3,0)3	5	Compolsary					
		17	30				15	30	

Department of Management Information Systems - Staff

There are 9 full time teaching staff in the department. Besides teaching, all academic staff are deeply involved in research. The MIS department members are highly qualified specialists graduated from diverse specialist areas.

Full time staff

Assist. Prof. Dr Ersin Çağlar (Director of School of Applied Sciences & Head of the MIS department)

Assist. Prof. Dr Ersin Çağlar		
BSc Degree	European University of Lefke, North Cyprus	2009
MSc Degree	European University of Lefke, North Cyprus	2011
PhD Degree	Girne American University, North Cyprus	2017
Department	Management Information Systems	
Research Area	Network, Network Security, Cloud Computing, Simulation	

Assist. Prof. Dr. Vesile Evrim

Yrd.Doc. Dr. Vesile Evrim		
BSc Degree	Eastern Mediterranean University, North Cyprus	1999
MSc Degree	Eastern Mediterranean University, North Cyprus	2001
MSc Degree	University of Southern California	2003
PhD Degree	University of Southern California	2009
Department	Computer Engineering	
Research Area	Data Mining, Machine Learning, Emotion extraction(text), Summarization	

Assist. Prof. Dr Hüseyin Mahmutoğlu

Assist. Prof. Dr Hüseyin Mahmutoğlu		
BSc Degree	European University of Lefke, North Cyprus	1997
MSc Degree	European University of Lefke, North Cyprus	1999
PhD Degree	Girne American University, North Cyprus	2007
Department	Management Information Systems	
Research Area	ICT Based Education, Hardware, Network.	

Assist. Prof. Dr Berna Serener

Assist. Prof. Dr Berna Serener		
BSc Degree	New York University, USA	1989
MSc Degree	Boston College, USA	1993
PhD Degree	Marmara University, Turkey	2002
Department	Banking & Finance	
Research Area	Finance	

Assist. Prof. Dr Mehmet Ali Ekemen

Assist. Prof. Dr. Mehmet Ali Ekemen		
BA Degree	Eastern Mediterranean University, North Cyprus	1998
MBA Degree	Cyprus International University, North Cyprus	2002
PhD Degree	Girne American University, North Cyprus	2013
Department	Business Administration	
Research Area	Strategic Management, Leadership, Human Resource Management, Corporate Governance, Organizational Behavior	

Assist. Prof. Dr. Feride Savaroğlu Tabak

Assist. Prof. Dr. Feride Savaroğlu Tabak		
BSc Degree	European University of Lefke, North Cyprus	2003
MSc Degree	European University of Lefke, North Cyprus	2005
PhD Degree	European University of Lefke, North Cyprus	2020
Department	Management Information Systems	
Research Area	Machine Learning, Data Mining, Artificial Intelligence, Fuzzy Logic, Parallel Programming	

Assist. Prof. Dr. Önder Onursal

Dr. Önder Onursal		
BSc Degree	European University of Lefke, North Cyprus	1997
MSc Degree	European University of Lefke, North Cyprus	2003
PhD Degree	Girne American University, North Cyprus	2020
Department	Management Information Systems	
Research Area	Network, Simulation	

Our department members constitute a multidisciplinary team of scientists and academicians from diverse professional backgrounds with different and/or complementary areas of expertise.

All full-time instructors obtained their Ph.D. degrees from prestigious Universities around the world. The instructors are appointed and degree programs are established following the guidelines established by YOK (Higher Education Council, Turkey) and YODAK (Higher Education Council, North Cyprus). The majority of the department members are involved with many of the new departments in their fields as well as being involved in consultancy projects.

DEPARTMENT OF

MANAGEMENT INFORMATION SYSTEMS

COURSE CATALOGUE DESCRIPTIONS

DEPARTMENT OF

MANAGEMENT INFORMATION SYSTEMS

COURSE CATALOGUE DESCRIPTIONS

FALL

Course Name	Introduction to Computers
Course Level	Undergraduate
Course Code	COM100
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Önder Onursal
Lecturer	Assist. Prof. Dr. Önder Onursal
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 1st semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course focuses on the computer applications which are necessary for every student to be able to use during his/her undergraduate study. Students will be covering the basic components of computers, such as Random Access Memory (RAM), Read Only Memory (ROM) and Central Processing Unit (CPU), relationship between these hardwires. Students will be able differentiate between different types of operating systems, application software and web-based applications. Students learn basic information about network connection and the types. Except that information, each student will learn how to save himself/herself against the viruses. All topics support the learning environment by lab sessions and each student will be able to use office applications.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Use Windows OS Controls and Manage Files. 2. Having knowledge how to get connected, use browser, send email, and lunch search engine. 3. Ability to understand Application Software in action including software for word processing, spreadsheet, database management, Presentation, network and graphics. 4. Develop an understanding of diversity in hardware and software 5. Having knowledge how to use multimedia software
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Shelly Cashman Vermaat, Discovering Computers Essentials, 1st. ed. [ISBN 9781337285117] 2018 Supporting: 1. Shelly Cashman Vermaat, Discovering Computers Fundamentals, 3rd ed. [ISBN 1-4188-4372-5] 2007 2. Larry Long and Nancy Long, Computers IT in Perspective 10th ed. [ISBN 0-13-009479-X] 2002. 3. Shelly Cashman Vermaat, Office 2003, Premium ed. [ISBN 1-4188-5932-X] 2007

Course Name	English 1
Course Level	Undergraduate
Course Code	COM101
Semester	Fall
Person Responsible for the course	Mehmet Mert
Lecturer	Mehmet Mert
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 1st semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 3 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course is intended for academically oriented students and it aims to bridge the gap between general and academic English. The course aims at developing the skills required for academic study, including note-taking, essay writing, as well as teaching strategies for undertaking research and dealing with unfamiliar academic vocabulary. The course also aims at teaching the features of guided writing, reading strategies such as predicting, skimming, and scanning. At the end of this course the students are expected to be able to; develop strategies, to improve the ability to comprehend complex academic texts, to develop strategies to produce more coherent writing and, make clear, appropriate, relevant notes from academic texts, and to adopt various approaches to deal with new or unknown vocabulary by practising effective use of dictionaries, and through making effective vocabulary records.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. 1.The students will be able to understand and use English structures accurately to express themselves. 2. 2. The students will be able to learn and use the vocabulary learnt during the lessons in real life contexts.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. English File, Intermediate Plus, Student's Book, Christina Latham Koenig, et al, Oxford University Press, Third Edition 2. English File, Pre-Intermediate Plus, Workbook, Christina Latham Koenig, et al, Oxford University Press, Third Edition

Course Name	Psychology
Course Level	Undergraduate
Course Code	COM104
Semester	Fall
Person Responsible for the course	Cemaliye Sarcan
Lecturer	Cemaliye Sarcan
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 1th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Apprehension of knowledge about main concepts such as, different theories and approaches to the study of psychology. Comparison, critique and evaluation of different theories, personality, psychological disorders and health, stress and coping.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Define psychology and trace its historical development. 2. Outline the experimental method. 3. Outline approaches to personality assessment and discuss the reliability and validity of each approach. 4. Describe the physiological changes that occur during emotional arousal and the relationship between arousal and performance.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Textbook: Rathus, A. S. (2016). PSYCH 5, Introduction to Psychology. (5th Edition). (New, Engaging Titles from 4LTR Press)

Course Name	Mathematics
Course Level	Undergraduate
Course Code	COM109
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Feride Savaroğlu Tabak
Lecturer	Assist. Prof. Dr. Feride Savaroğlu Tabak
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 1st semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Repetition of basic algebra, fractions and partial fractions. The basic algebra and linear equations, arithmetic expression and simplification of algebraic expressions. Operations with surds and indices. Methods for solving logarithmic functions. The techniques for solving quadratic functions. Graph sketching for quadratic equations in Cartesian plane. Solving linear, polynomial and rational inequalities. The parallel and perpendicular lines.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Ability of simplified the algebraic functions 2. Use the graph to illustrate business mathematical techniques 3. Ability to understand Rational numbers, surds and solving the equations 4. Ability to unerstand exponential numbers and logarithms 5. Ability to understand equations and inequalities
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Ernest F. Haeussler, Jr. Richard S. Paul. Introductory Mathematical Analysis, Prentice Hall, 2002 Supporting: 1. Frank S. Budnick, Applied Mathematics for Business, Economics and The Social Sciences, 1994, McGraw Hill 2. Margaret L. Lial, Raymond N. Greenwell, Nathan P. Ritchey Finite Mathematics and Calculus with Applications, 10/E, Pearson, 2016 3. L. Bostock, S. Chandler. Core Maths for A Level, Stanley Thornes (Publishers) LTD, 1994

Course Name	Economics
Course Level	Undergraduate
Course Code	COM112
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Berna Serener
Lecturer	Assist. Prof. Dr. Berna Serener
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 1st semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course introduces students to the key concept and topic of microeconomics such as opportunity cost, production possibility frontier, demand and supply, elasticity, utility, preferences, production, costs, perfect competition, monopoly.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Supply and Demand Analysis, 2. Elasticities, 3. Production, 4. Costs, 5. Market Structures LO6- Presentation of economic issues with graphs, tables and essays.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. M. Parkin, Economics, 12th Edition, Pearson, 2015. Supporting: 1. N. G. Mankiw, Principles of Economics, 7th Edition, 2014.

Course Name	Introduction to Social Sciences
Course Level	Undergraduate
Course Code	SCI101
Semester	Fall
Person Responsible for the course	Associate Prof. Dr. Gözde Inal Cavlan
Lecturer	Associate Prof. Dr. Gözde Inal Cavlan
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 1st semester
Type of teaching, expected class size	Face to face lectures, <25 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The main purpose of this course is to let students see how seemingly diverse disciplines intermingle — anthropology and economics, for example. In the end, students will be able to approach social issues with unbiased problem-solving skills.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Ability to define social science and explain its relevance and importance as an interdisciplinary area of study. 2. Ability to develop reasonable approaches to problems in social science. 3. Ability to systematically analyse social issues. 4. Ability to understand the interdisciplinary nature of social sciences.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Elgin F. Hunt and David C. Colander, Social Science: An Introduction to the Study of Society, 16/E, Pearson, 2017 (Main textbook) Supporting: 1. Jared M. Diamond, Guns Germs, & Steel (ISBN 9780393038910) The Book and the documentary videos. http://www.pbs.org/gunsgermssteel, 1997 2. Yuval Noah Harari, Sapiens: A Brief History of Humankind, ISBN 9781846558245, 2014. 3. Steven D. Levitt and Stephen J. Dubner, Freakonomics: A Rogue Economist Explores the Hidden Side of Everything, Harper Perennial, 2005 4. Tim Harford, The Undercover Economist, Revised and Updated Edition: Exposing Why the Rich Are Rich, the Poor Are Poor - and Why You Can Never Buy a Decent Used Car!, Oxford University Press, 2012 5. Jostein Gaarder, Sophie's World: A Novel About the History of Philosophy, Harper Perennial, 2009

Course Name	Financial Accounting I
Course Level	Undergraduate
Course Code	ACCT201
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Berna Serener
Lecturer	Assist. Prof. Dr. Berna Serener
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course intends to provide an exposure to basic concepts of accounting. It covers the nature and purpose of accounting, accounting principles, introduction to single entry and double entry system, preparation of journal, ledger and trial balance, simple and complex adjustments, preparation of worksheets related to purchases, sales, receivables, payables, inventories, cash control, property, plant and equipment. The course also includes preparation of final accounts viz. trade/manufacturing account, profit and loss account and balance sheet, simple and complex adjustments.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. To understand the importance of the financial accounting 2. To interpret the accounting process 3. To understand the accounting principles 4. To understand the accounting cycle 5. To analyse and interpret financial statements
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Jan R. Williams, Susan F. Haka, Mark S. Bettner, Joseph V. Carcello, Financial Accounting, McGraw-Hill, 18th Edition, 2020 Supporting: 1. B.E. Needles, T.H. Poweas, Financial Accounting, Houghton Mifflin, 9th Edition, 2007 2. A. Thomas, Introduction to Financial Accounting, 4th Edition, McGraw –Hill, 8th Edition, 2015

Course Name	Principles of Management
Course Level	Undergraduate
Course Code	BUSN205
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Mehmet Ali Ekemen
Lecturer	Asst. Prof. Dr. Mehmet Ali Ekemen
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Homework and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This is a comprehensive introductory course on the management process with particular emphasis on the skills, competencies, techniques and knowledge needed to successfully manage an organization. It focuses on entire organization to form a strategic vision, setting objectives crafting a strategy and then implementing it. It also investigates how organization develop and maintain competitive advantage within a changing business environment influenced by political, economic, social, technological, legal and environmental factors. The course content is organized around the four functions of management; panning, organizing, leading and controlling, for systematic understanding of management related challenges and applying conceptual tools and techniques in analysing, evaluating and addressing management issues.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Evaluate the global context for taking managerial actions of planning, organizing, leading and controlling. 2. Assess global situation, including opportunities and threats that will impact management of an organization. 3. Integrate management principles into management practices. 4. Specify how the managerial tasks of planning, organizing, leading and controlling can be executed in a variety of circumstances. 5. Determine the most effective action to take in specific situations.
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Robbins S.P., DeCenzo D.A., and Coulter M. (2017). Fundamentals of Management: Essential Concepts and Applications. 10th Edition. Prentice Hall.

Course Name	Mathematics For Social and Applied Sciences
Course Level	Undergraduate
Course Code	COM221
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Hüseyin Sıtkı Mahmutoğlu
Lecturer	Assist. Prof. Dr. Hüseyin Sıtkı Mahmutoğlu
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course includes advanced mathematical applications related to business management. Course topics cover optimization, identification and maxima and minima, curve sketching and functions, coordinate geometry, acute and obtuse angles and sine and cosine formulas.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Limits and continuity 2. Differentiation 3. Integration 4. Power and geometric 5. Sketching graphs of the functions.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Ernest F. Haeussler, Jr. Richard S. Paul Introductory Mathematical Analysis, Prentice Hall, 2002 Supporting: 1. L. Bostock, S. Chandler, Core Maths for A Level, Stanley Thornes (Publisher) LTD, 1994 2. R. Larson, B.H.. Edwards, D. C. Falvo, Calculus I with Precalculus, Brooks/Cole Cengage Learning, 2012

Course Name	Principles of Macroeconomics
Course Level	Undergraduate
Course Code	COM223
Semester	Fall
Person Responsible for the course	Dr. Kaan Kutlay
Lecturer	Dr. Kaan Kutlay
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <25 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course aims to introduce students the principles of macroeconomics including the calculation of GDP and economic growth, periodic fluctuations in the size of economy, analysing the effects of unemployment, inflation, investment and savings in the economy and analysing the fiscal and monetary policies which develop models to cope with macroeconomic issues.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Macroeconomic indicators and calculate GDP, economic growth rate and understand the impact of productivity on economic growth, 2. Unemployment and inflation problems as a macroeconomic indicator, 3. The monetary market, control of money and explain how interest rate GDP and price level are determined, 4. How the monetary and fiscal policies cope with macroeconomic concerns, 5. The relationship between aggregate expenditure and aggregate demand and explain the multiplier effect.
Study and examination requirements and forms of examination	• In class exercises • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. M. Parkin, Economics, 10th Edition, Pearson, 2012. Supporting: 1. N. G. Mankiw, Principles of Economics, 7th Edition, 2014.

Course Name	Principles Of Marketing
Course Level	Undergraduate
Course Code	MARK301
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Pelin Bayram
Lecturer	Assist. Prof. Dr. Pelin Bayram
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course is an introduction to the language and issues of marketing with an emphasis on learning to develop responsive marketing strategies that meet customer needs. The course focuses on basic marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics, which will be incorporated into the course, are external environment (which will focus on integrative topics with marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing. The course content is highly interactive between the class and the instructor. Through case studies/presentations, problems, and specific company client activities, students will have the opportunity to use the concepts, ideas, and strategies presented in class. Problem-solving sessions occur in both individual (primarily) and team (occasionally) settings.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. To analyze the role of marketing within the firm and society 2. To expose you to the two parts of a marketing strategy: the target market and the marketing mix 3. To study the four basic variables in the marketing mix: product, promotion, price, and distribution. 4. To exercise analytical, communication, and presentation skills (through use of technological aids, such as Microsoft Word, PowerPoint, and the Internet) the basic tools of marketing.
Study and examination requirements and forms of examination	• Term Project • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Kotler, P., Armstrong, G., Principles of Marketing, 18.th.Ed., Global Ed.

Course Name	Statistics
Course Level	Undergraduate
Course Code	STAT253
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Nuru Giritli
Lecturer	Assist. Prof. Dr. Nuru Giritli
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course covers the key definitions (describing data graphically and numerically), probability, important discrete probability distributions (Binomial, Hypergeometric, Poisson), important continuous probability distributions (Uniform, Normal, Exponential), sampling distributions of sample mean, sample proportion and sample variance, single population estimation (confidence interval estimates for the mean and proportion-Student's t-distribution) and two population estimation (confidence intervals for the paired difference of mean, proportion and variance-Chi-Square test).
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Ability of graphical and numerical data analysis and verbal summaries of data 2. Having knowledge of basic probability computations and the role of probability in statistical inference 3. Ability of understanding fundamental concerns involved in proper data collection 4. Ability to analyse and interpret confidence intervals for means, proportions and variances
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Lind Douglas A., Paul., Marchal William G., Wathen Samuel A.; Statistical Techniques in Business and Economics, 17th edition; McGraw-Hill, 2017 Supporting: 1. Groebner David F., Shannon Patrick W., Fry Phillip C., Smith Kent D.; Business Statistics: A Decison Making Approach, 8th ed., Pearson Education Inc., 2011 2. Kvanli Alan H., Pavur Robert J., Keeling Kellie B.; Concise Managerial Statistics, South-Western Thomson Learning, 2006

Course Name	Principles of Macroeconomics
Course Level	Production Management
Course Code	BUSN303
Semester	Fall
Person Responsible for the course	Dr Kaan Kutlay
Lecturer	Dr Kaan Kutlay
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 5th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 50 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Production/operations management involves the integration of numerous activities and processes to produce products and services in a highly competitive global environment. This course considers the operations from a managerial perspective. We will consider key performance measures of operations (productivity, quality and response time) as well as important concepts for improving the performance of operations along these dimensions. At the end of the course students will have a basic understanding of the role Production/Operations Management plays in business processes. Emphasis is given both to familiarization of various production processes and service systems, and to analysis of problems arising in the management of operations.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Understand the strategic role of operations management in creating and enhancing a firm's competitive advantages. 2. Appraise key concepts and issues of OM in both manufacturing and service organizations. 3. Productivity Analysis, Forecasting Techniques, Regression Techniques, Inventory Techniques 4. Apply analytical skills and problem-solving tools to the analysis of the operations problems.
Study and examination requirements and forms of examination	• In class exercises • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. 1.William J. Stevenson : "Operations Management", 11th Ed., McGraw Hill, USA 2012. Supporting: 1. Heizer, Render, Munson : "Principles of Operations Management", 10th Ed., Pearson 2016

Course Name	Database Management Systems
Course Level	Undergraduate
Course Code	MIS337
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Zafer Erenel
Lecturer	Asst. Prof. Dr. Zafer Erenel
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 5th semester
Type of teaching, expected class size	Face to face lectures, <10 Students
Workload	1. Lectures: 4 Lecture hours per week 2. Self-Study: 4 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	4 Credit Points – 7 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	
Catalogue Descriptions/Content	Databases and Information models, Career paths for database professionals, relational data model, basic concepts, relational data model constraints, relational algebra, conceptual data model, relational database design, redundancy problems, functional dependencies, normal forms, introduction to sql, data manipulation, table joins, union intersection and difference, relational operators, subqueries, using sql in an application, XML, technology trends and databases, application development.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. A general understanding of working with the relational databases. 2. Practical skills in writing queries using SQL for creating databases, modifying databases and retrieving data. 3. Practice on how to design an E-R diagram. 4. Project experience after developing an application program together with the use of database management software.
Study and examination requirements and forms of examination	• In class exercises • Midterm Examination 1 • Midterm Examination 2 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Database Fundamentals, N. Sharma, L. Perniu, R.F. Chong, A. Iyer, C. Nandan, A-C. Mitea, M. Nonvinkere, M. Danubianu Supporting: 1. Introduction To Database Management, M.L. Gillenson, P. Ponniah, A. Kriegel, B.M. Trukhnov, A.G. Taylor, G. Powell, F. Miller 2. Database Systems, T.M. Connolly & C.E. Begg

Course Name	Software Design and Architecture
Course Level	Undergraduate
Course Code	MIS315
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Ersin Çağlar
Lecturer	Asst. Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 5th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 7 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Understanding the importance of software design, tools that are used. Using use cases and scenarios, use case diagrams, actors, extending and including use cases, marking system boundaries. System model; context diagram, multi-level Data flow diagram, sequence diagram, class diagram. Entity-relationship model diagrams, Software architecture models; client-server, layered, blackboard, pipe and filter, implicit invocation, batch and sequence. Design Pattern (creative, behavioural, structural): Singleton, façade, bridge, observer, mediator. Graphical User Interface, design details, error messages.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Describe the role of an architect in a software development project, and what may be expected from such a person, 2. Explain common quality requirements, such as performance, security, and modifiability, 3. Describe different architectural styles and how they relate to specific quality properties of the architecture, 4. Create an architectural design of a system based on a case description in natural language 5. Rreason about how different architectural styles, tactics or design alternatives meet the quality goals of a system
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Humberto Cervantes and Rick Kazman, (2016), Designing Software Architectures: A Practical Approach, 1st Edition Supporting: 1. Pramod Chandra P. Bhatt, (2021), Software Design, Architecture and Engineering: Concepts and Practice 2. Mark Richards and Neal Ford, (2020), Fundamentals of Software Architecture: An Engineering Approach 1st Edition

Course Name	Purchasing And Cost Control
Course Level	Undergraduate
Course Code	TOUR302
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Aytaç Yıldırım
Lecturer	Asst. Prof. Dr. Aytaç Yıldırım
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 5th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Examine the information and skills necessary to analyze and improve the profitability. Topics include the income statements, forecasting sales, and controlling labour costs. Students will also analyse the complete purchasing cycle beginning with product and vendor selection and ending with actual orders.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Examine the pricing methodologies in the industry. 2. Utilize the procedures, principles and functions of cost controlling. 3. Inspect and minimize the expenditures in order to ensure desirable profits in the industry. Identify the key aspects of monitoring operations
Study and examination requirements and forms of examination	• Quizes • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Foundations Of Cost Control,Daniel Traster.Pearson

Course Name	Strategic Planning & Management
Course Level	Undergraduate
Course Code	BUSN461
Semester	Fall
Person Responsible for the course	Associate Prof. Dr. Gözde Inal Cavlan
Lecturer	Associate Prof. Dr. Gözde Inal Cavlan
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Project and Examination Preparation time: 45 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The purpose of this course is to provide a basic understanding of the nature and dynamics of the strategy formulation and implementation processes as they occur in complex organizations. The student introduced to life practices such as project management, risk management, and change management; organization and management of businesses and business ventures along with related risks, including those when considering making a profit. Further awareness of entrepreneurship and innovation, knowledge of sustainable development is outlined. Knowledge about the global and social effects of engineering practices on health, environment, safety, and contemporary issues related to the field of engineering and awareness of the legal consequences of engineering solutions.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. To provide a basic understanding of the nature and dynamics of the strategy formulation and implementation processes as they occur in complex organizations. 2. To encourage students to think critically and strategically. 3. To develop the ability to identify strategic issues and design appropriate courses of action. 4. Demonstrate the ability to think critically in relation to a particular problem, situation or strategic decision through real-world scenarios. 5. Begin building a strategic plan for your area of responsibility. 6. To adapt change management
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination • Project
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Wheelen, T.L. and Hunger, D. J., (2012) Concepts in Strategic Management and Business Policy, Towards Global Sustainability, Boston: Pearson. Supporting: 1. Grant, R. M. And Jordan, J. (2012) Foundations of Strategy. West Sussex: Wiley. 2. Kourdi, J. (2015) Business Strategy: A Guide to Effective Decision making, London: The Economist. 3. Schilling, M. (2016) Strategic Management of Technological Innovation, 5th Edition, Kindle Edition.

Course Name	Summer Training
Course Level	Undergraduate
Course Code	MIS400
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Ersin Çağlar
Lecturer	Assist. Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <10 Students
Workload	1. Self-Study: 3 hours per week 2. Presentation Preparation time: 20 hours
Credit Points - ECTS	1 Credit Points – 3 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the discussion meetings to attend the presentations
Pre-requisites	-
Catalogue Descriptions/Content	Students are encouraged to take part in industrial work/organizations relating to their fields of study. This is required as part of the fulfilment of the degree program. Students are required to complete a total 30 working days of Summer Training session after completing their third year of studies.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Gain practical experience specific field, 2. Apply and develop their knowledge to the task, 3. Improve on problem-solving and critical-thinking skills, 4. Understanding of professional customs and practices, 5. Learn organization and business concepts, 6. Learn ethical issues and health and safety.
Study and examination requirements and forms of examination	• Long Book • Presentation
Media Employed	Moodle for note sharing
Reading List/ Recommended Text Book	Main: 1. School of Applied Sciences, Summer Training Log Book Supporting: 1. Andrew L. H. Cheong, Naziha B. Yahya, Quek L. Shen, Ang Y. Yen, 'Internship Experience: An In-Depth Interview among Interns at a Business School of a Malaysian Private Higher Learning Institution' Procedia - Social and Behavioral Sciences , Vol. 123, 2014

Course Name	Graduation Project I
Course Level	Undergraduate
Course Code	MIS410
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Ersin Çağlar
Lecturer	Assist. Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <10 Students
Workload	1. Self-Study: 3 hours per week 2. Presentation Preparation time: 20 hours
Credit Points - ECTS	1 Credit Points – 3 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the discussion meetings to attend the presentations
Pre-requisites	-
Catalogue Descriptions/Content	4th academic year (final year) students in Management Information Systems department are required to prepare and present a graduation project (Graduation Project - Part I & II) under the supervision of a school member. Each student has to prepare a separate (or, as part of a team with two members) project. It is an extended exercise in the professional application of the skills and experience gained in the undergraduate program. Topics will be chosen in consultation with School members. In this regard, MIS 410 (Graduation Project - Part I) course forms a preparation phase for MIS 450 Graduation Project - Part II and it involves a design project proposal. Students are expected to familiarize themselves with their projects, carry out literature survey and prepare materials/tools/methods, study components and relevant standards before the implementation phase in the following semester.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Carry out literature survey, 2. Identify an appropriate research method and design, 3. Be able to prepare research proposal, 4. Improve presentation and skills, 5. Learn how to work as part of a team or independently
Study and examination requirements and forms of examination	• Project Report • Poster • Presentation
Media Employed	Moodle for note sharing
Reading List/ Recommended Text Book	Main: 1. MIS Departmental Thesis Guideline Supporting: 1. Umberto Eco, How to Write a Thesis, MIT Press, 2015 2. Abdelkarim Erradi, EasyCapstone: A Framework for Managing and Assessing Capstone Design Projects, 978-1-4673-0242-5/12/$31.00 ©2012, IEEE

Course Name	Software Project Management
Course Level	Undergraduate
Course Code	MIS407
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Ersin Çağlar
Lecturer	Asst. Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <10 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	
Catalogue Descriptions/Content	Components and challenges of software management, dealing with people involved in project development, time management. Project management knowledge areas, project management process groups, organizational structures, Software development life cycle, standard models; waterfall, incremental, prototyping, spiral, agile, scrum, Proactive and reactive project management. Risk management and analysis, proactive and reactive risk management strategies, methods to identify and quantify risks, risk mitigation techniques, balancing risk management overhead. Planning, Project scheduling, project size estimation, Gantt charts, network diagrams, cost analysis, effort estimation, COCOMO, Documenting software projects, managing multiple teams in scheduling. Software management metrics; lines of code, function points, capability maturity model.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Understand Organization structures 2. Understand software processes and effect on Scheduling 3. Understand economic aspect of project management 4. Understand the important concepts of quality management 5. Improve the communication skills
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Adolfo Villafiorita, (2014), Introduction to Software Project Management. Supporting: 1. Anna P. Murray, (2016), The Complete Software Project Manager: Mastering Technology from Planning to Launch and Beyond (Wiley CIO) 1st Edition 2. Robert K. Wysocki, (2019), Effective Project Management: Traditional, Agile, Extreme, Hybrid 8th Edition

DEPARTMENT OF
MANAGEMENT INFORMATION SYSTEMS

COURSE CATALOGUE DESCRIPTIONS
SPRING

Course Name	Turkish
Course Level	Undergraduate
Course Code	COM106 / ORT106
Semester	Spring
Person Responsible for the course	Assoc. Prof. Dr. Osman Erciyas
Lecturer	Assoc. Prof. Dr. Osman Erciyas
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 2 Lecture hours per week 2. Self-Study: 2 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	2 Credit Points – 2 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	To show the characteristics and rules of operation of Turkish language with examples; to give the students the ability and habit to express their feelings and thoughts accurately and effectively; developing vocabulary through written and oral texts; The aim of this course is to teach the rules of reading texts or the programs they listen to correctly. COM 106 course aims to provide basic Turkish reading, speaking and writing skills for international students
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Explains and exemplifies the phonological properties of Turkish 2. Explains and exemplifies the structures of Turkish. 3. Explains and exemplifies the sentence properties of Turkish 4. Reads and evaluates different text types 5. Compares different text types
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Birsen Çankaya ve diğerleri. Easy Turkish Course. İstanbul: Fono Yayınları, 2006. Supporting: 1. Kurtuluş Öztopçu. Elementary Turkish. İstanbul, 2006. 2. Türkçe Sözlük, Türk Dil Kurumu Yay., Ankara: 2011. 3. Doğan Günay, Özdan Fidan ve diğerleri, Yabancılar İçin Türkçe Ders Kitabı + Alıştırma Kitabı, Papatya Yay., Ankara: 2013.

Course Name	History
Course Level	Spring
Course Code	COM108 / ORT108
Semester	Fall
Person Responsible for the course	Assoc. Prof. Dr. Osman Erciyas
Lecturer	Assoc. Prof. Dr. Osman Erciyas
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 2 Lecture hours per week 2. Self-Study: 2 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	2 Credit Points – 2 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course provides a detailed exposure on the history of the construction of the Turkish Republic under the light of Kemal Atatürk's principles this course is designed for Turkish speaking students. COM108 is designed for non-Turkish speaking foreign students. The aim of the course is to introduce a brief history of Turkish Republic and Cyprus. Social, economic and political aspects and effects of Western Civilization on Turkey and Cyprus. Relations with Middle East.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Analyzes the developments after World War I and the attitude of Mustafa Kemal and his friends in the face of these developments. 2. Understanding the Turkish Foreign Policy of the Atatürk Era. 3. They will have basic information about the political developments in Turkey and the world during and after the Second World War. 4. To have general information about the History of Cyprus.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Lewis, Bernard, The Emergence of Modern Turkey, London, 1967. Supporting: 1. Kinross, Patrick, Atatürk The Rebirth of a Nation, A Phoenix Giant Paperback Publishing, London, 1998. 2. Luke, Harry, Cyprus Under The Turks 3. Oberling, Pierre, The Road To Bellapais, USA, 1982. 4. Denktash, Rauf R, The Cyprus Triangle, The Office of the Turkish Republic of Northern Cyprus, New York, 1988.

Course Name	English 2
Course Level	Undergraduate
Course Code	COM110
Semester	Spring
Person Responsible for the course	Mehmet Mert
Lecturer	Mehmet Mert
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 3 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course is the continuation of the COM101 English I course. Similar issues are focused on as in the former course with a higher tone of language. This course integrates all four language skills and teaches students how to integrate skills and content in real-world academic contexts. High-interest and intellectually simulating authentic materials are used to familiarize students with academic content. The course also aims at developing the ability to participate in exchanges of information and opinions in the context of the specific field, and to write instructions, descriptions and explanations about topics in the related field. Extra importance is put on teaching students' terminology related to the specific field.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. The students will be able to understand and use English structures accurately to express themselves. 2. The students will be able to learn and use the vocabulary learnt during the lessons in real life contexts.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. English File, Intermediate Plus, Student's Book, Christina Latham Koenig, et al, Oxford University Press, Third Edition 2. English File, Intermediate Plus, Workbook, Christina Latham- Koenig, et al, Oxford University Press, Third Edition

Course Name	Sociology
Course Level	Undergraduate
Course Code	COM115
Semester	Spring
Person Responsible for the course	Prof. Dr. Belkıs Ayhan Tarhan
Lecturer	Prof. Dr. Belkıs Ayhan Tarhan
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 7 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course makes an introduction to the discipline of sociology and gives the outline of the major sociologists and sociological approaches. The course intends to familiarize the participants with the theories of the following sociologists, sociological schools or writers relevant to sociology: Positivism (Comte and Spencer), Marx, Durkheim, Weber, Functionalism (Parsons), Frankfurt School (Horkheimer, Adorno, Marcuse), Structuralism (Foucault), Giddens, Habermas, Luhmann.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. To understand what the notions of society and social structure refer to 2. To understand why sociology is important for us and for comprehending the logic of social sciences in general 3. To be able trace the relationships between everyday life, communication and society 4. To be able to generate a sociological outlook and discuss ideas based on such issues as globalization, inequality, startification, and culture.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Giddens, A, 2004. Sociology (fully revised fourth edition), Cambridge: Polity Press. Supporting: 1. Macionis, J.J., 2011. Sociology, USA: Pearson. 2. Giddens, A, 1987. Social Theory and Modern Sociology, Standford University Press.

Course Name	Ethics in Profession
Course Level	Undergraduate
Course Code	COM204
Semester	Spring
Person Responsible for the course	Prof. Dr. Elif Asude Tunca
Lecturer	Prof. Dr. Elif Asude Tunca
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 5 hours per week 3. Total Exercises and Examination Preparation time: 70 hours
Credit Points - ECTS	3 Credit Points – 8 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The aim of this course is to define ethical principles, to enable students to develop ethical behaviours related to their profession, and to provide information about unethical behaviours that students may encounter in their professions. Within the context of the course, students will demonstrate understanding of the ethical principles in general or in application of specialized knowledge, results of research, creative expression, design processes, etc. that are related with their sciences, disciplines and potential professionals.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Demonstrate knowledge of important ethical systems 2. Demonstrate their respect for different ethical perspectives 3. Critique some aspects of an ethical and unethical behaviour 4. Clearly formulate their ethical position on an issue
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Richard D. Parsons (2000). The Ethics of Professional Practice 1st Edition. Pearson Publication

Course Name	Introduction to Information Systems
Course Level	Undergraduate
Course Code	MIS152
Semester	Spring
Person Responsible for the course	Asst. Prof. Dr. Feride Savaroğlu Tabak
Lecturer	Asst. Prof. Dr. Feride Savaroğlu Tabak
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 8 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course is designed to provide students with a foundational understanding of Information Systems (IS) as they apply to the computer industry. Topics will include Information Systems fundamentals; IS infrastructure; organizational and business strategies for Information Systems, Managing Information Systems; Information Systems for commerce and collaboration; business intelligence and Enterprise Information Systems; security, privacy and ethics for Information Systems
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. The student will demonstrate an understanding of the scope, purpose and value of information systems in an organization. 2. Demonstrate basic computer literacy by recalling terminology and concepts related to hardware, software, and networks 3. Organize, summarize, and analyze data, ceate meaningful and effective information 4. Analyze the impact of computers on society and on the workplace. 5. The student will demonstrate an understanding of Enterprise Information Systems as they relate to enhancing business intelligence and processes. 6. The student will demonstrate an understanding of the processes involved in developing and securing Information Systems.
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Rainer, R. K., Prince, B., Splettstoesser-Hogeterp, I., Sanchez-Rodriguez, C., & Ebrahimi, S. (2020). Introduction to information systems. John Wiley & Sons. Supporting: 1. Stair, R., & Reynolds, G. (2020). Principles of information systems. Cengage Learning. 2. Beynon-Davies, P. (2020). Business information systems. Red Globe Press.

Course Name	Introduction to Information Systems
Course Level	Undergraduate
Course Code	MIS152
Semester	Spring
Person Responsible for the course	Asst. Prof. Dr. Feride Savaroğlu Tabak
Lecturer	Asst. Prof. Dr. Feride Savaroğlu Tabak
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 8 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course is designed to provide students with a foundational understanding of Information Systems (IS) as they apply to the computer industry. Topics will include Information Systems fundamentals; IS infrastructure; organizational and business strategies for Information Systems, Managing Information Systems; Information Systems for commerce and collaboration; business intelligence and Enterprise Information Systems; security, privacy and ethics for Information Systems
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. The student will demonstrate an understanding of the scope, purpose and value of information systems in an organization. 2. Demonstrate basic computer literacy by recalling terminology and concepts related to hardware, software, and networks 3. Organize, summarize, and analyze data, ceate meaningful and effective information 4. Analyze the impact of computers on society and on the workplace. 5. The student will demonstrate an understanding of Enterprise Information Systems as they relate to enhancing business intelligence and processes. 6. The student will demonstrate an understanding of the processes involved in developing and securing Information Systems.
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Rainer, R. K., Prince, B., Splettstoesser-Hogeterp, I., Sanchez-Rodriguez, C., & Ebrahimi, S. (2020). Introduction to information systems. John Wiley & Sons. Supporting: 1. Stair, R., & Reynolds, G. (2020). Principles of information systems. Cengage Learning. 2. Beynon-Davies, P. (2020). Business information systems. Red Globe Press.

Course Name	Principles of Law
Course Level	Undergraduate
Course Code	FEA 102
Semester	Spring
Person Responsible for the course	Assoc.Prof. Dr. Ali Dayıoğlu
Lecturer	Assoc.Prof. Dr. Ali Dayıoğlu
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 4th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course deals with the basics of law. It introduces the students the elements drawn from legal theory, legal philosophy as well as legal practice. It makes special references to Turkish law. It starts with the discussion of what law is and continues with the other rules of social conduct like moral and customary rules. It familiarizes students with legal concepts like “burden of proof” and methods of legal interpretation.
Course Learning Outcomes	Students are expected; 1. To achieve a basic understanding about law; 2. To be familiar with the basic principles of law and basic concepts of legal terminology; 3. To learn sources of law/Turkish law; 4. To be familiar with legal rules and their applications; 5. To learn the branches of law.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Rona Aybay, An Introduction to Law, 4th ed., İstanbul İstanbul Bilgi University Press, 2014. Supporting: 1. Tuğrul Ansay and Don Wallace, Jr., (eds.), Introduction to Turkish Law, 5th ed., The Hague, Kluwer Law International, 2004.

Course Name	Operating Systems
Course Level	Undergraduate
Course Code	MIS214
Semester	Spring
Person Responsible for the course	Dr. Nilcan Çiftci Özüorçun
Lecturer	Dr. Nilcan Çiftci Özüorçun
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 2nd semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 4 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The history of the operating systems. The hardware and software components. Application Programming Interface. Computing environments. Process Management, Process operations, Process synchronization. Processor Scheduling Criteria and Algorithms (FIFO, RR, SJF, SRTF, PRIORITY, PREEMPTIVE, NONPREEMPTIVE ALGORITHMS). The Indefinite postponement, Deadlock prevention, detection, avoidance, recovery. The main memory, swapping, fixed partition multiprogramming, variable partition multiprogramming, paging, segmentation. The virtual memory, page replacement strategies (FIFO,LRU,OPT). Secondary Storage, Disk scheduling (First-Come-First-Served, Shortest-Seek Time-First, SCAN, C-SCAN, FSCAN, N-Step SCAN,LOOK, C-LOOK). File Systems, Directories.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Knowledge of the main differences between parallel, distributed, real time and hand-held systems. 2. An ability to implement deadlock avoidance, prevention and detection algorithms. 3. An ability to implement memory management algorithms for swapping, paging and virtual memory. 4. An ability to implement process scheduling algorithms. 5. An ability to implement disk scheduling algorithms. 6. Competence in using DOS commands and UNIX commands.
Study and examination requirements and forms of examination	• Homeworks • Quiz • Midterm Examination 1 • Midterm Examination 2 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. A. Silberschatz, P.B. Galvin, G. Gagne, Operating System Concepts, 9th ed., Wiley, 2012.. Supporting: 1. H.M. Dietel, P.J. Dietel, D.R. Choffnes, Operating Systems, 3rd ed., Pearson, 2004. 2. A.S. Tanenbaum, H. Bos, Modern Operating Systems, Pearson, 4th ed., 2016.

Course Name	Programming for Management Information Systems
Course Level	Undergraduate
Course Code	MIS251
Semester	Spring
Person Responsible for the course	Dr. Önder Onursal
Lecturer	Dr. Önder Onursal
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 4th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 3 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course contains the history of computers and programming. Introduction general steps in problem-solving concepts, programming terminology, algorithms and its applications. Problem solution, pseudocode, algorithms, flowcharts, data types, and control structures. A simple C program layout, syntax and rules. C language basics, native types, identifiers, declarations, variables, expressions, and assignments. Basic console input/output functions. Operators, unary, binary, mathematical, relational, equality and logical, precedence and associativity rules, type conversions and casting. Statements, flow of control. Sequential structure. Selective structure, if-else statement. Repetitive structure, while loop, do-while loop, break/continue statements.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Able to understand programming and computing concepts 2. Ability to understand and solve problems 3. Develop an ability to develop algorithms for simple problems 4. Develop flowcharts 5. Knowledge of basics C programming language 6. Knowledge of basics Phyton programming language 7. Knowledge of basics web coding and design
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Wang, H., & Wang, S. (2014). Programming languages for MIS: Concepts and practice. CRC Press. Supporting: 1. Stropkovics, K. (2019). Most popular programming languages 2019. 2. Jeri R. Hanly and Elliot B. Koffman, “Problem Solving and Program Design in C”, Pearson Prentice Hall, 2013, ISBN-13: 978-0-13-293649-1. 3. Knuth, D. E. (2014). Art of computer programming, volume 2: Seminumerical algorithms. Addison-Wesley Professional. 4. Thanaki, J. (2017). Python natural language processing. Packt Publishing Ltd. 5. McFedries, P. (2018). Web coding & development all-in-one. John Wiley & Sons, Inc.,.

Course Name	Software Requirements Analysis and Specifications
Course Level	Undergraduate
Course Code	SENG 212
Semester	Spring
Person Responsible for the course	Assoc. Prof. Dr. Ezgi Deniz Ülker
Lecturer	Assoc. Prof. Dr. Ezgi Deniz Ülker
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 4th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 4 hours per week 3. Total Exercises and Examination Preparation time: 50 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Introduce important software properties; security, maintenance, adaptability, robustness, safety, reliability, emergent properties, non-emergent properties. Software process steps; requirement analysis, specification, prototype, design, implementation, testing, validation and verification. Process models; waterfall, evolutionary, incremental, spiral component based, agile processes, extreme programming, pair programming. Functional and non-functional requirements, system requirements, domain requirements, external requirements, open and closed interview, external requirements, constraints, Organizational Goals, Project Goals, Stakeholders, Life Cycle Planning, responsibilities, activity network, product feasibility, organizational feasibility, financial feasibility, use case diagram, scenarios.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Learn system attributes and management of the problems in systems engineering 2. Learn managing the risk and developing project plan, 3. Learn formal project documentation (SRS), 4. Learn about Requirement Engineering and software processes, 5. Improve communication skills as a member of a team
Study and examination requirements and forms of examination	• Projects • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Ian Sommerville, Software Engineering, 10th Edition, Addison Wesley, 2015. Supporting: 2. http://sunset.usc.edu/~neno/cs477_2003/MBASE_Guidelines.doc

Course Name	Human Resources Management
Course Level	Undergraduate
Course Code	BUSN304
Semester	Spring
Person Responsible for the course	Assist. Prof. Dr. Tahir Yeşilada
Lecturer	Assist. Prof. Dr. Tahir Yeşilada
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 6th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The course intends to provide conceptual and application insights of contemporary human resource management practices viz. Recruitment, Selection, Training and Development, Induction, Motivation, performance evaluation and Termination. The course covers the practical implementation of HR practices in the real-life business situations which the business students ought to be proficient with.
Course Learning Outcomes	Students are expected; 1. Define the roles and activities of a company's human resource management function. 2. Discuss how to strategically plan for the human resources needed to meet organizational goals and objectives. 3. Define the process of job analysis and discuss its importance as a foundation for human resource management practice. 4. Identify how new technologies, such as social networking, is influencing human resource management.
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Gary Dessler, Human Resource Management, 16th Edition (or earlier editions), Pearson, 2020. ISBN-13: 9780132668217.

Course Name	Entrepreneurship
Course Level	Undergraduate
Course Code	BUSN356
Semester	Spring
Person Responsible for the course	Asst. Prof. Dr. Mehmet Ali Ekemen
Lecturer	Asst. Prof. Dr. Mehmet Ali Ekemen
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 6th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 5 hours per week 3. Total Project and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course provides an understanding of the characteristics of the entrepreneur and the unique concepts of business ownership to the student who has a strong desire to start a business. Emphasis is placed on identifying and evaluating entrepreneurial opportunities by focusing on the student's entrepreneurial potential and creating a new business venture.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Demonstrate the ability to provide a self-analysis in the context of an entrepreneurial career. 2. Demonstrate the ability to find an attractive market that can be reached economically. 3. Create an appropriate business model. 4. Articulate an effective elevator pitches to gain support for the venture. 5. Develop a well-presented business plan that is feasible for an entrepreneur.
Study and examination requirements and forms of examination	• Projects • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Bruce R. Barringer & Duane Ireland (2019). Entrepreneurship: Successfully Launching New Ventures. 6th Edition, Prentice Hall.

Course Name	Research Methods
Course Level	Undergraduate
Course Code	COM351
Semester	Spring
Person Responsible for the course	Prof. Dr. Harun Şeşen
Lecturer	Prof. Dr. Harun Şeşen
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 6th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 1 Online hour per week 2. Self-Study: 5 hours per week 3. Total Project and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 6 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This is an introductory course for undergraduate students to provide a guide to the research process and equip the students with the necessary knowledge and skills to undertake a piece of research from thinking of a research topic to writing a project report.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Understand the nature of scientific research 2. Apply the steps of a scientific research 3. Understand the basic quantitative research methods, 4. Acknowledge quantitative methods, 5. Prepare and present project report
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Saunders, M., Lewis, P., and Thornhill, A. 2019. Research Methods for Business Students (8th Edition), Pearson, UK. Supporting 1. Bhattacherjee, A. 2012. Social Science Research (2nd Edition), Open Access Textbooks Collection Book 3, Tampa.

Course Name	Computer Networks
Course Level	Undergraduate
Course Code	COMP342
Semester	Spring
Person Responsible for the course	Assoc. Prof. Dr. Yönal Kırsal
Lecturer	Assoc. Prof. Dr. Yönal Kırsal
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 6th semester
Type of teaching, expected class size	Face to face, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	An understanding of foundations and applications of computer networks, classical network topologies, network performances and network layer services. The reference OSI and TCP/IP models. Ethernet: physical properties and multiple access. Wireless topologies; Bluetooth, Wi-Fi, Wi-MAX and cellular networks. Application of Computer Networks, Types of Networks: PAN, LAN, MAN, WAN, Internet. Switching concepts, bridges and LAN switches. Coding, framing, error detection and fundamental data security. Internetworking with IP (classes of IP addresses; IPV4 and IPV6), Cisco Packet Tracer Tutorial.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. An understanding of overarching frameworks for telecommunications network designs and operations, 2. An appreciation of OSI framework by focussing on specific example implementations, 3. An understanding of various multi-service network topologies and how specific industrial network implementations fit within the broad topologies, 4. An accurate appreciation of how different switched networks are designed and implemented in order to provide internet services.
Study and examination requirements and forms of examination	• Projects • Quizzes • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. A. S. Tanenbaum, Computer Networks, 5th ed., Prentice Hall, 2011. Supporting: 1. L. L. Peterson and B. S. Davie, Computer Networks: A Systems Approach, 5th ed.,Morgan Kaufmann, 2012.

Course Name	Human Computer Interaction
Course Level	Undergraduate
Course Code	MIS306
Semester	Spring
Person Responsible for the course	Assist. Prof. Dr. Hüseyin Mahmutoğlu
Lecturer	Assist. Prof. Dr. Hüseyin Mahmutoğlu
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 6th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 7 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Overview of new technology in HCI in the context of past research. Input devices. Output devices. Reviewing and testing human computer interfaces. Guidelines and principles for good user interface design. Functionality. Design of systems using wireframes and storyboards. Implementation of systems, architecture, and navigation. Future of HCI. User centered design for interaction, human computer interaction. Understanding the effects of human factors in developing and operating the information system. Practical issues encountered in man-machine interaction and user-interface design. Current trends in the development of interaction technologies.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Understand the Computer and Human-Computer Interaction (HCI) 2. Understand the important aspects of implementation of human-computer interfaces. 3. Identify the various tools and techniques for interface analysis, design, and evaluation. 4. Identify the importance of working in teams and the role of each member within an interface development phase.
Study and examination requirements and forms of examination	• Projects • Midterm Examinations • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Steve Love, Understanding Mobile Human Computer Interaction Elsevier Butterworth HEINEMAN seriıes. [ISBN 978-0-7506-6352-6] 2009 Supporting: 1. Shelly Cashman Vermaat, Discovering Computers Fundamentals, 3rd ed. [ISBN 1-4188-4372-5] 2012 2. I Scott MacKenzie, Human Computer Interaction, An Emprical Research Perspective. Morgan Kaufman Publishers An imprint of elsevier [ISBN 978

Course Name	Management Information Systems
Course Level	Undergraduate
Course Code	MIS303
Semester	Spring
Person Responsible for the course	Assist Prof. Dr. Ersin Çağlar
Lecturer	Assist Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 8th semester
Type of teaching, expected class size	Face to face lectures, <25 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course focuses on the applications of information technology within organizations, particularly the acquisition, development, and implementation of computer-based information systems. It covers planning and the use of information systems by management. Various approaches to developing and building MIS, software tools, end user computing and information centres in planning strategies and management science.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Understand the perception and the place of MIS in a variety of environments 2. Understand the role of the MIS Manager and what he/she contributes to the operational capability of an organization, 3. Develop knowledge on the role of Network for businesses, different types of networks, particular network components and their role, 4. Develop an understanding of the information needs of managers and assess the value of decision-making skills amongst managers.
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Laudon, Kenneth & Laudon, Jane, Management Information Systems: Managing the Digital Firm, 16th Edition, Prentice Hall, 2019 Supporting: 1. John Gallaugher, Information Systems: A Manager's Guide to Harnessing Technology, August 2017 2. Kusumlata Bhargava, Management Information Systems, 2009

Course Name	Internet Programming
Course Level	Undergraduate
Course Code	MIS412
Semester	Spring
Person Responsible for the course	Assist Prof. Dr. Vesile Evrim
Lecturer	Assist Prof. Dr. Vesile Evrim
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 8th semester
Type of teaching, expected class size	Face to face lectures, <10 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	The objective of this course to introduce some popular client-side web programming language to the students to help them to design the web applications.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. An ability to understand the fundamental concepts of client-side web programming. 2. An ability to understand the fundamental concepts of server-side web programming. 3. An ability to get instant information changes from sites through an API 4. To be able to integrate client and server-side programming
Study and examination requirements and forms of examination	• Projects • Midterm Examination 1 • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Porter Scobey, Pawan Lingras. Web Programming and Internet Technologies: An E-commerce Approach, september 2016 Supporting: 1. w3schools.comn/php

Course Name	Graduation Project II
Course Level	Undergraduate
Course Code	MIS450
Semester	Spring
Person Responsible for the course	Assist. Prof. Dr. Ersin Çağlar
Lecturer	Assist. Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 8th semester
Type of teaching, expected class size	Face to face lectures, <10 Students
Workload	1. Self-Study: 3 hours per week 2. Presentation Preparation time: 80 hours
Credit Points - ECTS	3 Credit Points – 11 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the discussion meetings to attend the presentations
Pre-requisites	MIS410
Catalogue Descriptions/Content	This course is the sequel to MIS 410. This course is designed to assist students in the completion of their graduate project. The expectation is that all students begin this course having already developed a proposal for the research in MIS 410 (Graduation Project I). Therefore, this course is designed to provide guidance in the final completion of the graduate project and to prepare students for the oral defence.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Finalize a topic for the graduation project requirement for the MIS 2. Identify an appropriate research design. 3. Conduct the appropriate research activities. 4. Prepared the poster of graduation project and participate the poster presentation. 5. Write the final research paper according to identified MIS guidelines. 6. Participate in an oral defence for the research paper requirement for the MIS Degree. 7. Submit final edited copy of research paper to the department of MIS by the required date.
Study and examination requirements and forms of examination	• Project Report • Poster • Presentation
Media Employed	Moodle for note sharing
Reading List/ Recommended Text Book	Main: 1. MIS Departmental Thesis Guideline Supporting: 1. Christian W. Dawson, Projects in Computing and Information Systems A Student's Guide, 2nd Edition, Pearson, 2009

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COURSE CATALOGUE DESCRIPTIONS
TECHNICAL & FREE ELETIVES

Course Name	Small Business Management
Course Level	Undergraduate
Course Code	BUSN415
Semester	Spring
Person Responsible for the course	Associate Prof. Dr. Gözde İnal Cavlan
Lecturer	Associate Prof. Dr. Gözde İnal Cavlan
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 8th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Project and Examination Preparation time: 75 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	This course examines the possibilities, the challenges and the rewards of becoming a small business owner by presenting the tools to start and run a successful small business. It covers topics on foundations of entrepreneurship, creativity and developing business ideas, strategic management process in small firms, franchising, developing feasibility analysis and forming business plans, e commerce and the entrepreneur, and global aspects of entrepreneurship.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Acquiring knowledge on the basic terminology and concepts of small business ownership and entrepreneurship; and being able to define how to be a successful entrepreneur and the basic personal characteristics needed for it, appreciating and understanding the economic impact of small businesses, 2. Explaining the reasons for and methods of starting a new business, 3. Understanding why creativity and innovation are such an integral part of entrepreneurship and understand how entrepreneurs can enhance the creativity of their employees as well as their own creativity, 4. Gaining knowledge on the franchising concept, Gaining knowledge on basic feasibility analysis and a business plan, e-commerce and the entrepreneur and global aspects of entrepreneurship.
Study and examination requirements and forms of examination	• Assignments • Presentations • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Scarborough, N. M. (2016) Essentials of Entrepreneurship and Small Business Management, Global Edition, Eighth Edition, Pearson, Harlow. Supporting: 1. Scarborough, N. M. (2012) Effective Small Business Management-An Entrepreneurial Approach, Tenth Edition, Pearson, Boston.

Course Name	Leadership and Management
Course Level	Undergraduate
Course Code	CFE201
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Tahir Yeşilada
Lecturer	Assist. Prof. Dr. Tahir Yeşilada
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 1 Online hour per week 2. Self-Study: 2 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 4 ECTS
Requirements according to the examination regulations	-
Pre-requisites	-
Catalogue Descriptions/Content	In this course, an analysis of theoretical and practical knowledge is made. In this context, basic social and psychological factors associated with the concept of leadership and current theories will be explained and how theoretical knowledge can be applied in terms of leadership and management functions in organizations will be emphasized. The aim of the course is to provide students with a deep understanding of leadership and management concepts and to develop their own leadership skills.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Describe the concept of leadership and effective leadership theories 2. Distinguish between managerial processes, traits & skills 3. Recall diversity and the challenges of workforce environments 4. Identify the effective use of power & influence in organizations 5. Recognize leading change in organizations
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Leadership in organizations / Gary Yukl and William Gardner, Pearson Education, 2020

Course Name	Environment and Sustainable Development
Course Level	Undergraduate
Course Code	CFE202
Semester	Spring
Person Responsible for the course	Asst. Prof. Dr. Saltuk Pirgalıoğlu
Lecturer	Asst. Prof. Dr. Saltuk Pirgalıoğlu
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 8th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 1 Online hour per week 2. Self-Study: 2 hours per week 3. Total Exercises and Examination Preparation time: 30 hours
Credit Points - ECTS	3 Credit Points – 4 ECTS
Requirements according to the examination regulations	-
Pre-requisites	-
Catalogue Descriptions/Content	Ecology and sustainability, biodiversity, urbanization, ecological succession, climate and biodiversity, sustaining biodiversity, sustaining resources and environmental quality: food production, water resources and pollution, mineral sources, energy sources, environmental hazards and human health, air pollution, ozone depletion, climate change, solid and hazardous wastes
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Understand environmental problems 2. Construct relationship between ecology, biodiversity and sustainability 3. Apply principles of sustainability on various environmental issues 4. Understand sustainable resources management: water, energy, minerals 5. Understand how resources consumption affect air pollution and climate change 6. Understand advantages and disadvantages of different strategies in solid waste management
Study and examination requirements and forms of examination	• Projects • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. G. Tyler Miller, Scott Spoolman, “Environmental Science”, 15th Edition, Cengage Learning, 2016 Supporting: 1. Jefferson W. Tester, Elisabeth M. Drake, Michael J. Driscoll, Michael W. Golay, and William A. Peters, “Sustainable Energy Choosing Among Options”, 2nd Edition, MIT Press, 2012.

Course Name	Occupational Safety and Health
Course Level	Undergraduate
Course Code	CTE401
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Şevket C. Bostancı
Lecturer	Asst. Prof. Dr. Şevket C. Bostancı
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 5th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 1 Online hour per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	-
Pre-requisites	-
Catalogue Descriptions/Content	This course provides information on the theory and history of occupational health and safety, and enforcement of laws that address occupational safety and health globally. It also aims to guide students in understanding the roles and responsibilities of workers, unions and employers. This course also reviews other safety related issues and aspects of recognizing, evaluating, and understanding control of safety and health hazards in the workplace.
Course Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Gain an historical, economic, and organizational perspective of occupational safety and health 2. Demonstrate a base of knowledge in the recognition and assessment of health and safety hazards in the workplace 3. Identify the roles and functions of the occupational health and safety professional in the application 4. Describe basic components of an effective company safety and health program including management commitment, employee 5. involvement, hazard recognition and control and training.
Study and examination requirements and forms of examination	• Quizzes • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Friend, M.A. and Kohn, J.P. (2007) Fundamentals of Occupational Safety and Health. 4th ed., Government Institutes. The Scarecrow Press, Supporting: 1. Koradecka, D. (2010) Handbook of Occupational Safety and Health. Taylor and Francis Group. CRC Press, USA. 2. Reese, C.D. (2016) Occupational Health and Safety Management – A Practical Approach. 3rd ed. Taylor and Francis Group. CRC Press, USA. 3. Reese, C.D. (2017) Occupational Safety and Health – Fundamental Principles and Philosophies. Taylor and Francis Group. CRC Press, USA.

Course Name	Network Security Theory
Course Level	Undergraduate
Course Code	MIS451
Semester	Fall
Person Responsible for the course	Asst. Prof. Dr. Ersin Çağlar
Lecturer	Asst. Prof. Dr. Ersin Çağlar
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <20 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 60 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	
Catalogue Descriptions/Content	Fundamentals of Computer security, Network security, Internet security. Security mechanisms, security services. Thread and attack differences. Access control and its elements; authentication, authorization, accountability. Security services; X800 and RFC2828. Authentication services; Peer entity authentication, data origin authentication. Common security attacks and countermeasures; Phishing, Man in the Middle attack, Replay attack, Web jacking, Spam, Blog spam. Specific security mechanisms, Encipherment, Digital signature, Access control, data integrity, authentication exchange, Traffic Padding, Routing control, notarization. Pervasive security mechanisms; Trusted functionality, security label, event detection, security audit trail, security recovery. A detailed model for network security and its working principle. Network access security model and its elements. Encryption, decryption and terminology. Cryptography, block cipher, stream cipher. Cryptanalytic attacks, viruses and related attacks. Authentication services; Kerberos and its working principle, X.509. Authentication services, Public key Infrastructure (PKI), Pretty Good Privacy (PGP).
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Students will be able differentiate between basic Internet and Network 2. Understand Vulnerabilities of network 3. Understand attacks and defence mechanism 4. Understand web security model 5. Understand IDS 6. Understand basics of cryptography
Study and examination requirements and forms of examination	• Homeworks • Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Kumar, D. Network Security Attacks and Countermeasures. M. K. Singh, & M. K. Jayanthi (Eds.). IGI Global, 2016 Supporting: 1. Forouzan, B. A. Cryptography & network security. McGraw-Hill, Inc, 2007. 2. Wu, H., & Zhao, L. Web Security: A White Hat Perspective. CRC Press, 2015

Course Name	Brand Management
Course Level	Undergraduate
Course Code	TOUR351
Semester	Fall
Person Responsible for the course	Assist. Prof. Dr. Meltem Köksal
Lecturer	Assist. Prof. Dr. Meltem Köksal
Language	English
Relation to Curriculum	Undergraduate degree program, Compulsory, 7th semester
Type of teaching, expected class size	Face to face lectures, <15 Students
Workload	1. Lectures: 3 Lecture hours per week 2. Self-Study: 3 hours per week 3. Total Exercises and Examination Preparation time: 40 hours
Credit Points - ECTS	3 Credit Points – 5 ECTS
Requirements according to the examination regulations	A student must have attended at least 70% of the lectures to sit in the exams.
Pre-requisites	-
Catalogue Descriptions/Content	Students will learn the important role of Branding. Several case studies will be discussed and student will be able to provide examples of international brand management.
Course Learning Outcomes	On successful completion of the course, the student should have gained: 1. Assess different viewpoints on brand and think cogently and critically about these viewpoints 2. Analyse specific problems and challenges in brand management, and to devise sound and practical solutions to these problems 3. Undertake a brand audit and to use the information for brand planning 4. Effectively communicate branding knowledge in oral and written conte 5. Work individually and as an effective member of a team
Study and examination requirements and forms of examination	• Midterm Examination • Final Examination
Media Employed	Whiteboard, Projector and Moodle for Lecture note sharing
Reading List/ Recommended Text Book	Main: 1. Schmitt, Bernd, H. and Rogers, David, L. (2008). Handbook on Brand and Experience Management. Cheltenham / UK: Edward Elgar Publishing Limited. Supporting: 1. Aaker, David, A. (1996). Building Strong Brands. Newyork: Siman and Schuster Inc. 2. Kotler, Philip and Pfoertsch Waldemar (2006). B2B Brand Management. Newyork: Springer.