DECISION SCIENCE CONCENTRATION CURRICULUM

5th SEMESTER

Course Code	Course Name	ECTS
ACC3041	Cost Accounting	5
MIS3021	Management Information Systems	5
PROD3001	Operations Management	5
STAT3001	Statistical Data Analysis	5
	Free Elective	5
	Concentration Elective	5
	TOTAL	30

5th SEMESTER – CONCENTRATION ELECTIVES

Course Code	Course Name	ECTS
BUS4091	Electronic Business	5
MIS3311	Knowledge Management	5
MIS3313	Business Intelligence	5
MIS3314	Human Factors in Computing	5
MIS3315	Digital Transformation & Industry 4.0	5
MIS4321	Financial Information Systems	5
MIS4342	Cloud Computing	5
MIS4352	Blockchain Basics	5
MIS4382	Ethical Issues in Computing	5
QTDS4053	Operations Research Applications	5
QTDS4054	Python for Data Analysis	5
QTDS4096	Game Theory	5
STAT4093	Forecasting	5
STAT4094	Statistical Process Control	5

5th SEMESTER – FREE ELECTIVES

Course Code	Course Name
BUS4082	Applied Research
FNCE3034	Investment Analysis and Portfolio Management
FNCE3037	Financial Markets and Institutions
FNCE3039	Climate Finance
FNCE3048	Project Appraisal Planning and Management
LAW3071	Tax Law
LAW4021	IT Law
LAW4061	Capital Markets Law
LAW4062	Consumer Law
LAW4071	Labor Law
LAW4073	Intellectual Property Law
MGT3019	Small Business Management
MGT3023	Management Philosophy
MGT3032	Sector Oriented Project Design and Management
MGT3034	Sustainable Business Experience
MRK3050	Marketing Decision Making

Course Code	Course Name
MRK3051	Consumer Behavior
MRK3056	Organizational Marketing
MRK3059	Services Marketing
MRK3063	Sustainability
MRK4051	Marketing Research
MRK4055	Marketing Communications
MRK4057	Digital Marketing
MRK4060	Selected Topics in Marketing
MRK4062	Brand Management
MRK4064	Marketing for International Markets
OB3041	Diversity Management
OB3075	Gender Equality
OB3081	Organizational Culture
OB3084	Social Responsibility and Business Ethics
OB4027	Green Organizational Behavior
SWP3010	Social Work Practices

6th SEMESTER

Course Code	Course Name	ECTS
ACC3042	Managerial Accounting	5
BUS3002	Innovation Management	5
PROD3002	Supply Chain Management	5
QTDS3006	Decision Sciences Project	5
	Free Elective	5
	Concentration Elective	5
	TOTAL	30

6th SEMESTER – FREE ELECTIVES

Course Code	Course Name
BUS4082	Applied Research
FNCE3034	Investment Analysis and Portfolio Management
FNCE3037	Financial Markets and Institutions
FNCE3039	Climate Finance
FNCE3048	Project Appraisal Planning and Management
LAW3071	Tax Law
LAW4021	IT Law
LAW4061	Capital Markets Law
LAW4062	Consumer Law
LAW4071	Labor Law
LAW4073	Intellectual Property Law
MGT3019	Small Business Management
MGT3023	Management Philosophy
MGT3032	Sector Oriented Project Design and Management
MGT3034	Sustainable Business Experience
MRK3050	Marketing Decision Making

Course Code	Course Name
MRK3051	Consumer Behavior
MRK3056	Organizational Marketing
MRK3059	Services Marketing
MRK3063	Sustainability
MRK4051	Marketing Research
MRK4055	Marketing Communications
MRK4057	Digital Marketing
MRK4060	Selected Topics in Marketing
MRK4062	Brand Management
MRK4064	Marketing for International Markets
OB3041	Diversity Management
OB3075	Gender Equality
OB3081	Organizational Culture
OB3084	Social Responsibility and Business Ethics
OB4027	Green Organizational Behavior
SWP3010	Social Work Practices

6th SEMESTER – CONCENTRATION ELECTIVES

Course Code	Course Name	ECTS
BUS4091	Electronic Business	5
MIS3311	Knowledge Management	5
MIS3313	Business Intelligence	5
MIS3314	Human Factors in Computing	5
MIS3315	Digital Transformation & Industry 4.0	5
MIS4321	Financial Information Systems	5
MIS4342	Cloud Computing	5
MIS4352	Blockchain Basics	5
MIS4382	Ethical Issues in Computing	5
QTDS4053	Operations Research Applications	5
QTDS4054	Python for Data Analysis	5
QTDS4096	Game Theory	5
STAT4093	Forecasting	5
STAT4094	Statistical Process Control	5

7th SEMESTER

Course Code	Course Name	ECTS
MGT4007	Entrepreneurship	5
STAT4095	Data Mining	5
	Free Elective	5
	Free Elective	5
	Free Elective	5
	Concentration Elective	5
	TOTAL	30

7th SEMESTER – FREE ELECTIVES

Course Code	Course Name
ACC4002	Financial Statement Analysis
ACC4030	Accounting for Multinationals
ACC4035	Tax Accounting
ACC4036	Accounting for Business Combinations
ACC4040	Selected Topics in Accounting
ACC4041	Auditing
ACC4042	Auditing Practices
ACC4043	Turkish Uniform Accounting System
ACC4044	Accounting Information Systems
ACC4048	Internal Audit
BUS4082	Applied Research
FNCE4035	Case Studies in Finance
FNCE4036	Special Topics in International Finance
FNCE4037	Bank Management
FNCE4043	Turkish Financial Institutions and Markets
FNCE4047	International Finance
FNCE4053	Behavioral Finance
FNCE4055	Corporate Finance

Course Code	Course Name
FNCE4059	Blockchain Technology and Crypto Assets
FNCE4061	Financial Technology and Changing Financial Architecture
FNCE4066	Principles of Derivative Markets and Instruments
LAW3071	Tax Law
LAW4021	IT Law
LAW4061	Capital Markets Law
LAW4062	Consumer Law
LAW4071	Labor Law
LAW4073	Intellectual Property Law
MGT3019	Small Business Management
MGT3023	Management Philosophy
MGT3032	Sector Oriented Project Design and Management
MGT3034	Sustainable Business Experience
MGT4014	Organizational Development and Change
MGT4016	Selected Topics in Management
MGT4025	Principles of Management in Global Systems

Course Code	Course Name
MGT4051	Business Alliances
MGT4052	Family Business
MRK3050	Marketing Decision Making
MRK3051	Consumer Behavior
MRK3056	Organizational Marketing
MRK3059	Services Marketing
MRK3063	Sustainability
MRK4051	Marketing Research
MRK4055	Marketing Communications
MRK4057	Digital Marketing
MRK4060	Selected Topics in Marketing
MRK4062	Brand Management
MRK4064	Marketing for International Markets
OB3041	Diversity Management
OB3075	Gender Equality
OB3081	Organizational Culture
OB3084	Social Responsibility and Business Ethics
OB4027	Green Organizational Behavior

7th SEMESTER – CONCENTRATION ELECTIVES

Course Code	Course Name	ECTS
BUS4091	Electronic Business	5
MIS3311	Knowledge Management	5
MIS3313	Business Intelligence	5
MIS3314	Human Factors in Computing	5
MIS3315	Digital Transformation & Industry 4.0	5
MIS4321	Financial Information Systems	5
MIS4342	Cloud Computing	5
MIS4352	Blockchain Basics	5
MIS4382	Ethical Issues in Computing	5
QTDS4053	Operations Research Applications	5
QTDS4054	Python for Data Analysis	5
QTDS4096	Game Theory	5
STAT4093	Forecasting	5
STAT4094	Statistical Process Control	5

8th SEMESTER

Course Code	Course Name	ECTS
MGT4056	Strategic Management	5
QTDS4055	Simulation Theory	5
	Free Elective	5
	Free Elective	5
	Free Elective	5
	Concentration Elective	5
	TOTAL	30

8th SEMESTER – FREE ELECTIVES

Course Code	Course Name
ACC4002	Financial Statement Analysis
ACC4030	Accounting for Multinationals
ACC4035	Tax Accounting
ACC4036	Accounting for Business Combinations
ACC4040	Selected Topics in Accounting
ACC4041	Auditing
ACC4042	Auditing Practices
ACC4043	Turkish Uniform Accounting System
ACC4044	Accounting Information Systems
ACC4048	Internal Audit
BUS4082	Applied Research
FNCE4035	Case Studies in Finance
FNCE4036	Special Topics in International Finance
FNCE4037	Bank Management
FNCE4043	Turkish Financial Institutions and Markets
FNCE4047	International Finance
FNCE4053	Behavioral Finance
FNCE4055	Corporate Finance

Course Code	Course Name
FNCE4059	Blockchain Technology and Crypto Assets
FNCE4061	Financial Technology and Changing Financial Architecture
FNCE4066	Principles of Derivative Markets and Instruments
LAW3071	Tax Law
LAW4021	IT Law
LAW4061	Capital Markets Law
LAW4062	Consumer Law
LAW4071	Labor Law
LAW4073	Intellectual Property Law
MGT3019	Small Business Management
MGT3023	Management Philosophy
MGT3032	Sector Oriented Project Design and Management
MGT3034	Sustainable Business Experience
MGT4014	Organizational Development and Change
MGT4016	Selected Topics in Management
MGT4025	Principles of Management in Global Systems

Course Code	Course Name
MGT4051	Business Alliances
MGT4052	Family Business
MRK3050	Marketing Decision Making
MRK3051	Consumer Behavior
MRK3056	Organizational Marketing
MRK3059	Services Marketing
MRK3063	Sustainability
MRK4051	Marketing Research
MRK4055	Marketing Communications
MRK4057	Digital Marketing
MRK4060	Selected Topics in Marketing
MRK4062	Brand Management
MRK4064	Marketing for International Markets
OB3041	Diversity Management
OB3075	Gender Equality
OB3081	Organizational Culture
OB3084	Social Responsibility and Business Ethics
OB4027	Green Organizational Behavior

8th SEMESTER – CONCENTRATION ELECTIVES

Course Code	Course Name	ECTS
BUS4091	Electronic Business	5
MIS3311	Knowledge Management	5
MIS3313	Business Intelligence	5
MIS3314	Human Factors in Computing	5
MIS3315	Digital Transformation & Industry 4.0	5
MIS4321	Financial Information Systems	5
MIS4342	Cloud Computing	5
MIS4352	Blockchain Basics	5
MIS4382	Ethical Issues in Computing	5
QTDS4053	Operations Research Applications	5
QTDS4054	Python for Data Analysis	5
QTDS4096	Game Theory	5
STAT4093	Forecasting	5
STAT4094	Statistical Process Control	5