



GRADUATE SCHOOL
LOGISTICS ENGINEERING
LOJİSTİK MÜHENDİSLİĞİ İNGİLİZCE TEZSİZ YÜKSEK LİSANS

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
LENG 5501	ADVANCED LOGISTICS MANAGEMENT	3+0+0	Compulsory	8
UFND 5500	RESEARCH METHODS AND ETHICS	3+0+0	Compulsory	8
SOFL 5500	ACADEMIC WRITING FOR GRADUATES	4+0+0	Elective	8
ELECT LENG-2	1.SEMESTR ELECTIVE COURSES	-	Elective	80
MATH 5XX1	1.SEMESTR ELECTIVE COURSES	-	Elective	80
Total ECTS				184
IE 5511	SYSTEM MODELING AND SIMULATION	3+0+0	Elective	8
IE 5521	ANALYSIS OF INVENTORY SYSTEMS	3+0+0	Elective	8
IE 5531	SUPPLY CHAIN PROCESSES AND MANAGEMENT	3+0+0	Elective	8
IE 5533	DESIGN AND OPERATIONS OF DISTRIBUTION CENTERS	3+0+0	Elective	8
IE 5551	NETWORK OPTIMIZATION	3+0+0	Elective	8
IE 5553	MULTI OBJECTIVE OPTIMIZATION	3+0+0	Elective	8
IE 5554	HEURISTIC OPTIMIZATION	3+0+0	Elective	8
IE 5565	DYNAMIC PROGRAMMING	3+0+0	Elective	8
IE 5622	SEQUENCING AND SCHEDULING THEORY	3+0+0	Elective	9
IE 5670	STATISTICAL ANALYSIS	3+0+0	Elective	8
LENG 5500	ERASMUS STUDENT PLACEMENT	3+0+0	Elective	8
LENG 5503	MATHEMATICAL MODELLING IN SUPPLY CHAIN MANAGEMENT	3+0+0	Elective	8
LENG 5504	PRODUCTION AND OPERATIONS MANAGEMENT	3+0+0	Elective	8
LENG 5505	SUPPLY CHAIN RISK MANAGEMENT	3+0+0	Elective	8
LENG 5506	MARITIME LOGISTICS AND PORT MANAGEMENT	3+0+0	Elective	8
LENG 5507	SUPPLY CHAIN DATA ANALYTICS & BIG DATA ANALYSIS IN LOGISTICS	3+0+0	Elective	8
LENG 5508	DISASTER MANAGEMENT AND HUMANITARIAN LOGISTICS	3+0+0	Elective	8
LENG 5509	FORECASTING IN LOGISTICS	3+0+0	Elective	8
LENG 5510	GREEN SUPPLY CHAIN MANAGEMENT	3+0+0	Elective	8
LENG 5511	CONTEMPORARY ISSUES IN LOGISTICS	3+0+0	Elective	8
LENG 5596	CURRENT TOPICS IN LOGISTIC ENGINEERING	3+0+0	Elective	8
LOGI 5521	RETAIL LOGISTICS	3+0+0	Elective	8
LOGI 5532	LOGISTICS INFORMATION AND DECISION SUPPORT SYSTEMS	3+0+0	Elective	8
LOGI 5555	PRODUCTION LOGISTICS	3+0+0	Elective	8
LOGI 5558	PURCHASING MANAGEMENT	3+0+0	Elective	8
LOGI 5561	DISTRIBUTION CENTERS AND WAREHOUSING MANAGEMENT	3+0+0	Elective	8
LOGI 5562	SIMULATION LOGISTICS	3+0+0	Elective	8
LOGI 5563	LEAN LOGISTICS	3+0+0	Elective	8
LOGI 5564	QUALITY MANAGEMENT IN LOGISTICS	3+0+0	Elective	8
LOGI 5576	PROJECT MANAGEMENT IN LOGISTICS	3+0+0	Elective	8
LOGI 5592	DECISION MAKING THEORY IN LOGISTICS AND OPTIMIZATION	3+0+0	Elective	8
MATH 5540	INTRODUCTORY STATISTICAL ANALYSIS & DATA MINING	3+0+0	Elective	8
MATH 5541	ADVANCED LINEAR ALGEBRA WITH APPLICATIONS	3+0+0	Elective	8
MATH 5543	NUMERICAL METHODS	3+0+0	Elective	8
LENG 5502	QUANTITATIVE METHODS IN LOGISTICS ENGINEERING	3+0+0	Compulsory	8
MATH 5539	PROBABILITY THEORY AND STOCHASTIC PROCESSES	3+0+0	Elective	8
MATH 5542	OPTIMIZATION	3+0+0	Elective	8

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ELECT LENG-3	2.SEMESTR ELECTIVE COURSES	-	Elective	80
ELECT LENG-4	2.SEMESTR ELECTIVE COURSES	-	Elective	80
ELECT LENG-5	2.SEMESTR ELECTIVE COURSES	-	Elective	80
ELECT LENG-6	3.SEMESTR ELECTIVE COURSES	-	Elective	80
Total ECTS				320
IE 5511	SYSTEM MODELING AND SIMULATION	3+0+0	Elective	8
IE 5521	ANALYSIS OF INVENTORY SYSTEMS	3+0+0	Elective	8
IE 5531	SUPPLY CHAIN PROCESSES AND MANAGEMENT	3+0+0	Elective	8
IE 5533	DESIGN AND OPERATIONS OF DISTRIBUTION CENTERS	3+0+0	Elective	8
IE 5551	NETWORK OPTIMIZATION	3+0+0	Elective	8
IE 5553	MULTI OBJECTIVE OPTIMIZATION	3+0+0	Elective	8

IE 5554	HEURISTIC OPTIMIZATION	3+0+0	Elective	8
IE 5565	DYNAMIC PROGRAMMING	3+0+0	Elective	8
IE 5622	SEQUENCING AND SCHEDULING THEORY	3+0+0	Elective	9
IE 5670	STATISTICAL ANALYSIS	3+0+0	Elective	8
LENG 5500	ERASMUS STUDENT PLACEMENT	3+0+0	Elective	8
LENG 5503	MATHEMATICAL MODELLING IN SUPPLY CHAIN MANAGEMENT	3+0+0	Elective	8
LENG 5504	PRODUCTION AND OPERATIONS MANAGEMENT	3+0+0	Elective	8
LENG 5505	SUPPLY CHAIN RISK MANAGEMENT	3+0+0	Elective	8
LENG 5506	MARITIME LOGISTICS AND PORT MANAGEMENT	3+0+0	Elective	8
LENG 5507	SUPPLY CHAIN DATA ANALYTICS & BIG DATA ANALYSIS IN LOGISTICS	3+0+0	Elective	8
LENG 5508	DISASTER MANAGEMENT AND HUMANITARIAN LOGISTICS	3+0+0	Elective	8
LENG 5509	FORECASTING IN LOGISTICS	3+0+0	Elective	8
LENG 5510	GREEN SUPPLY CHAIN MANAGEMENT	3+0+0	Elective	8
LENG 5511	CONTEMPORARY ISSUES IN LOGISTICS	3+0+0	Elective	8
LENG 5596	CURRENT TOPICS IN LOGISTIC ENGINEERING	3+0+0	Elective	8
LOGI 5521	RETAIL LOGISTICS	3+0+0	Elective	8
LOGI 5532	LOGISTICS INFORMATION AND DECISION SUPPORT SYSTEMS	3+0+0	Elective	8
LOGI 5555	PRODUCTION LOGISTICS	3+0+0	Elective	8
LOGI 5558	PURCHASING MANAGEMENT	3+0+0	Elective	8
LOGI 5561	DISTRIBUTION CENTERS AND WAREHOUSING MANAGEMENT	3+0+0	Elective	8
LOGI 5562	SIMULATION LOGISTICS	3+0+0	Elective	8
LOGI 5563	LEAN LOGISTICS	3+0+0	Elective	8
LOGI 5564	QUALITY MANAGEMENT IN LOGISTICS	3+0+0	Elective	8
LOGI 5576	PROJECT MANAGEMENT IN LOGISTICS	3+0+0	Elective	8
LOGI 5592	DECISION MAKING THEORY IN LOGISTICS AND OPTIMIZATION	3+0+0	Elective	8
MATH 5540	INTRODUCTORY STATISTICAL ANALYSIS & DATA MINING	3+0+0	Elective	8
MATH 5541	ADVANCED LINEAR ALGEBRA WITH APPLICATIONS	3+0+0	Elective	8
MATH 5543	NUMERICAL METHODS	3+0+0	Elective	8
LENG 5502	QUANTITATIVE METHODS IN LOGISTICS ENGINEERING	3+0+0	Compulsory	8
MATH 5539	PROBABILITY THEORY AND STOCHASTIC PROCESSES	3+0+0	Elective	8
MATH 5542	OPTIMIZATION	3+0+0	Elective	8

3.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
LENG 5598	TERM PROJECT	0+0+0	Compulsory	10
ELECT LENG-7	3.SEMESTR ELECTIVE COURSES	-	Elective	80
ELECT-LENG -8	ELECTIVE COURSE	-	Elective	8
Total ECTS				98

IE 5511	SYSTEM MODELING AND SIMULATION	3+0+0	Elective	8
IE 5521	ANALYSIS OF INVENTORY SYSTEMS	3+0+0	Elective	8
IE 5531	SUPPLY CHAIN PROCESSES AND MANAGEMENT	3+0+0	Elective	8
IE 5533	DESIGN AND OPERATIONS OF DISTRIBUTION CENTERS	3+0+0	Elective	8
IE 5551	NETWORK OPTIMIZATION	3+0+0	Elective	8
IE 5553	MULTI OBJECTIVE OPTIMIZATION	3+0+0	Elective	8
IE 5554	HEURISTIC OPTIMIZATION	3+0+0	Elective	8
IE 5565	DYNAMIC PROGRAMMING	3+0+0	Elective	8
IE 5622	SEQUENCING AND SCHEDULING THEORY	3+0+0	Elective	9
IE 5670	STATISTICAL ANALYSIS	3+0+0	Elective	8
LENG 5500	ERASMUS STUDENT PLACEMENT	3+0+0	Elective	8
LENG 5503	MATHEMATICAL MODELLING IN SUPPLY CHAIN MANAGEMENT	3+0+0	Elective	8
LENG 5504	PRODUCTION AND OPERATIONS MANAGEMENT	3+0+0	Elective	8
LENG 5505	SUPPLY CHAIN RISK MANAGEMENT	3+0+0	Elective	8
LENG 5506	MARITIME LOGISTICS AND PORT MANAGEMENT	3+0+0	Elective	8
LENG 5507	SUPPLY CHAIN DATA ANALYTICS & BIG DATA ANALYSIS IN LOGISTICS	3+0+0	Elective	8
LENG 5508	DISASTER MANAGEMENT AND HUMANITARIAN LOGISTICS	3+0+0	Elective	8
LENG 5509	FORECASTING IN LOGISTICS	3+0+0	Elective	8
LENG 5510	GREEN SUPPLY CHAIN MANAGEMENT	3+0+0	Elective	8
LENG 5511	CONTEMPORARY ISSUES IN LOGISTICS	3+0+0	Elective	8
LENG 5596	CURRENT TOPICS IN LOGISTIC ENGINEERING	3+0+0	Elective	8
LOGI 5521	RETAIL LOGISTICS	3+0+0	Elective	8
LOGI 5532	LOGISTICS INFORMATION AND DECISION SUPPORT SYSTEMS	3+0+0	Elective	8
LOGI 5555	PRODUCTION LOGISTICS	3+0+0	Elective	8
LOGI 5558	PURCHASING MANAGEMENT	3+0+0	Elective	8
LOGI 5561	DISTRIBUTION CENTERS AND WAREHOUSING MANAGEMENT	3+0+0	Elective	8
LOGI 5562	SIMULATION LOGISTICS	3+0+0	Elective	8
LOGI 5563	LEAN LOGISTICS	3+0+0	Elective	8
LOGI 5564	QUALITY MANAGEMENT IN LOGISTICS	3+0+0	Elective	8
LOGI 5576	PROJECT MANAGEMENT IN LOGISTICS	3+0+0	Elective	8

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LENG 5502	QUANTITATIVE METHODS IN LOGISTICS ENGINEERING	3+0+0	Compulsory	8
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MATH 5542	OPTIMIZATION	3+0+0	Elective	8