

ENERGY ENGINEERING 2021-2022 SPRING COURSE SCHEDULE
Undergraduate Courses

2nd SEMESTER (Registered Before 2018-19)				
	Course name	Lecturer	Credits /ECTS	L.Hs.
ENE 102	COMPUTER PROGRAMING	Savaş Yağlıkçı	4/5	3 + 2
CHM 102	BASIC CHEMISTRY II	Gözde Aydoğdu	3/5	2 + 2
ENG 0102	DEVELOPMENT OF READING AND WRITING SKILLS IN ENGLISH II	Bahar Burcu Demirtola	2/1	2 + 0
HIS 102	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION II		2/1	2 + 0
PHY 122	PHYSICS II	Eyüp Duman	4/6	3 + 2
PHY 172	GENERAL PHYSICS LAB.		2/4	0 + 3
MTH 102	CALCULUS II	Musa Emre Kavgacı	5/7	4 + 0
TUR 102	TURKISH LANGUAGE II	Meltem Ayabakan	2/1	2 + 0

2nd SEMESTER (Registered After 2018-19)				
	Course name	Lecturer	Credits /ECTS	L.Hs.
ENE 112	COMPUTER PROGRAMMING	Savaş Yağlıkçı	3/3	2 + 2
CHM 122	GENERAL CHEMISTRY II	Gözde Aydoğdu	3/4	3 + 0
ENG 102	DEVELOPMENT OF READING AND WRITING SKILLS IN ENGLISH II	Tufan Tıghı	4/2	4 + 0
HIS 102	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION II		2/1	2 + 0
PHY 0104	PHYSICS II	Eyüp Duman	4/7	4 + 0
PHY 0154	GENERAL PHYSICS LAB.		2/3	0 + 3
MTH 0102	CALCULUS II	Musa Emre Kavgacı	4/7	4 + 0
TUR 102	TURKISH LANGUAGE II	Meltem Ayabakan	2/1	2 + 0
OUL 102	TRANSITION TO UNIVERSITY LIFE AND LIFE SKILLS		1/2	1 + 0
	SHESCIUNVELC			

1st YEAR SPRING SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 - 09:15					
09:30 - 10:15	ENG 102 (Seminar Room)		PHY 122-0104 (ENE2)	ENE 102-112 (online)	
10:30 - 11:15	ENG 102 (Seminar Room)		PHY 122-0104 (ENE2)	ENE 102-112 (online)	TUR 102 (online) (at 11:00)
11:30 - 12:15	ENG 102 (Seminar Room)				TUR 102 (online)
12:30 - 13:15	ENG 102 (Seminar Room)				
13:30 - 14:15		CHM 102-122 (online)	MTH 102-0102 (online)	PHY 0154 (Physics Eng. Dept.)	ENG0102 (online)
14:30 - 15:15	PHY 122-0104 (ENE2)	CHM 102-122 (online)	MTH 102-0102 (online)	PHY 0154 (Physics Eng. Dept.)	ENG0102 (online)
15:30 - 16:15	PHY 122-0104 (ENE2)	CHM 102-122 (online)	MTH 102-0102 (online)	PHY 172 (Physics Eng. Dept.)	ENE 102-112 (online)
16:30 - 17:15	PHY 122-0104 (ENE2)		MTH 102-0102 (online)	PHY 172 (Physics Eng. Dept.)	ENE 102-112 (online)
17:30 - 18:15					HIS 102 (online)
18:30 - 19:15					HIS 102 (online)

Commented [BT1]: TUR 102 for foreign students will be in a different section. The first lecture will be at 12:00 on Tuesday online.

Commented [BT2]: HIS 101 will open in 3 sections on following days
Thursday 15:30-17:15
Thursday 17:30-19:15
Friday 17:30-19:15
Students may select the one that suit them best.

4 th SEMESTER (Registered Before 2018-19)				
Course name	Lecturer	Credits /ECTS	L.Hs.	
ENE 202	ENGINEERING THERMODYNAMICS I	Savaş Yağlıkçı	3/5	2 + 2
ENE 204	ENERGY AND ENVIRONMENT	Işık Semerci	3/5	3 + 0
ENE 206	FLUID MECHANICS	Mustafa Tutar	4/6	3 + 2
ENE 208	MECHANICS	Kaan Soysal	3/5	3 + 0
ENE 210	NUMERICAL ANALYSIS	Özgür Selimoğlu	3/5	2 + 2
ENG 0202	ADVANCED READING AND COMMUNICATION TECHNIQUES IN ENGLISH II	Bahar Burcu Demirtola	2/1	2 + 0
ENS XXX	NON-DEPARTMENTAL ELECTIVE COURSE	-	3/3	3 + 0

ENS XXX			
ENS 220	BUSINESS MANAGEMENT	3/3	3 +0

4 th SEMESTER (Registered After 2018-19)				
Course name	Lecturer	Credits/ ECTS	L.Hs.	
ENE 202	ENGINEERING THERMODYNAMICS I	Savaş Yağlıkçı	3/5	2 + 2
ENE 214	ENERGY AND ENVIRONMENT	Işık Semerci	3/4	3 + 0
ENE 216	FLUID MECHANICS	Mustafa Tutar	4/5	3 + 2
ENE 218	MECHANICS	Kaan Soysal	3/4	3 + 0
ENE 220	NUMERICAL ANALYSIS	Özgür Selimoğlu	3/4	2 + 2
ENG 202	ADVANCED READING AND COMMUNICATION TECHNIQUES IN ENGLISH II	Tufan Tıgılı	4/2	4 + 0
SHESCIUNVELC	SPORT AND HEALTH SCIENCES (MODULE 4)	-	2/3	2 + 0
SCIENGUNVELC	SCIENCE AND ENGINEERING (MODULE 2)	-	2/3	2 + 0

2nd YEAR SPRING SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 - 09:15					
09:30 - 10:15	ENE 206-216 (ENE2)	ENG 202 (Seminar Room)	ENE 204-214 (Seminar Room)	ENE 208-218 (ENE2)	
10:30 - 11:15	ENE 206-216 (ENE2)	ENG 202 (Seminar Room)	ENE 204-214 (Seminar Room)	ENE 208-218 (ENE2)	ENE 204-214 (ENE2)
11:30 - 12:15		ENG 202 (Seminar Room)		ENE 208-218 (ENE2)	ENE 204-214 (ENE2)
12:30 - 13:15		ENG 202 (Seminar Room)			
13:30 - 14:15			ENE 206-216 (ENE2)	ENE 202 (ENE2)	ENE 202 (ENE2)
14:30 - 15:15			ENE 206-216 (ENE2)	ENE 202 (ENE2)	ENE 202 (ENE2)
15:30 - 16:15	ENE 210-220 (online)	ENE 210-220 (online)	ENE 206-216 (ENE2)		ENG0202 (online)
16:30 - 17:15	ENE 210-220 (online)	ENE 210-220 (online)			ENG0202 (online)
17:30 - 18:15					
18:30 - 19:15					

6 th SEMESTER (Registered Before 2018-19)				
Course name	Lecturer	Credits /ECTS	L.Hs.	
ENE 310	ENGINEERING LABORATORY I	2/5	0 + 4	
ENE 302	ENERGY CONVERSION PROCESSES II	Özcan Köysüren Eyüp Duman Işık Semerci	3/5	2 + 2
ENE 306	SUSTAINABLE ENERGY	İsmail Kalemci	3/5	2 + 2
ENE 308	MANAGEMENT IN ENERGY ENGINEERING	Naci Işıklı	3/5	3 + 0
ENE 304	MATERIALS IN ENERGY TECHNOLOGIES	Özcan Köysüren	3/4	3 + 0
ENE 3XX	ELECTIVE COURSE		3/5	3 + 0

ENE 3XX				
ENE 328	COMPOSITE MATERIALS	Kaan Soysal	3/5	3 + 0
ENE 326	NANOSCIENCE AND NANOTECHNOLOGY	Eyüp Duman	3/5	3 + 0

6 th SEMESTER (Registered After 2018-19)				
Course name	Lecturer	Credits/ ECTS	L.Hs.	
ENE 320	ENGINEERING LAB I		2/4	0 + 4
ENE 322	ENERGY CONVERSION PROCESSES	Özgür Selimoğlu	3/5	3 + 2
LNGLRNUNVELC	LANGUAGE LEARNING (MODULE 6)		2/3	2 + 0
ENE 3XX	ELECTIVE COURSE		3/4	3 + 0
ENE 3XX	ELECTIVE COURSE		3/4	3 + 0
ENE 3XX	ELECTIVE COURSE		3/4	3 + 0
ENE 3XX	ELECTIVE COURSE		3/4	3 + 0
PPL 302	PROGRESS TO PROFESSIONAL LIFE		1/2	1 + 0

ENE 3XX				
ENE 358	COMPOSITE MATERIALS	Kaan Soysal	3/4	3 + 0
ENE 356	NANOSCIENCE AND NANOTECHNOLOGY	Eyüp Duman	3/4	3 + 0
ENE 318	MANAGEMENT IN ENERGY ENGINEERING	Naci Işıklı	3/4	3 + 0
ENE 316	SUSTAINABLE ENERGY	İsmail Kalemci	3/4	2 + 2
ENE 314	MATERIALS IN ENERGY TECHNOLOGIES	Özcan Köysüren	3/4	3 + 0

3rd YEAR SPRING SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY		THURSDAY	FRIDAY
08:30 - 09:15						
09:30 - 10:15	ENE 308-318 (ENE4)	ENE 322 (ENE2)	ENE 304-314 (ENE4)			ENE 310-320
10:30 - 11:15	ENE 308-318 (ENE4)	ENE 322 (ENE2)	ENE 304-314 (ENE4)			ENE 310-320
11:30 - 12:15	ENE 308-318 (ENE4)	ENE 322 (ENE2)	ENE 304-314 (ENE4)			ENE 310-320
12:30 - 13:15						ENE 310-320
13:30 - 14:15		ENE 306-316 (ENE2)	ENE 302 (ENE3)	ENE 322 (ENE4)	ENE326- ENE356 (ENE4)	
14:30 - 15:15		ENE 306-316 (ENE2)	ENE 302 (ENE3)	ENE 322 (ENE4)	ENE326- ENE356 (ENE4)	ENE 328-358 (ENE4)
15:30 - 16:15		ENE 306-316 (ENE2)	ENE 302 (ENE3)		ENE326- ENE356 (ENE4)	ENE 328-358 (ENE4)
16:30 - 17:15			ENE 302 (ENE3)			ENE 328-358 (ENE4)
17:30 - 18:15						
18:30 - 19:15						

8 th SEMESTER (Registered Before 2018-19)			
Course name	Lecturer	Credits /ECTS	L.Hs.
ENE 402	ENERGY DESIGN PROJECT II	5/6	3 + 4
ENE 404	GRADUATION PROJECT	3/4	3 + 0
ENE 414	OCCUPATIONAL HEALTH AND SAFETY II	Şenay Özdemir	1/1 1 + 0
ENE 4XX	ELECTIVE COURSE	3/5	3 + 0
ENE 4XX	ELECTIVE COURSE	3/5	3 + 0
ENE 4XX	ELECTIVE COURSE	3/5	3 + 0
ENE 4XX	ELECTIVE COURSE	3/5	3 + 0

ENE 4XX			
ENE 426	SILICON TECHNOLOGY	Kaan Soysal	3/5 3 + 0
ENE 428	ELECTRICAL AND MAGNETIC PROPERTIES OF MATERIALS	Eyüp Duman	3/5 3 + 0
ENE 446	TRANSPORT PHENOMENA	Özcan Köysüren	3/5 3 + 0
ENE 450	HARVESTING ENERGY FROM LIGNOCELLULOSIC BIOMASS	Işık Semerci	3/5 3 + 0
ENE 436	NUCLEAR ENERGY	Eren Şahiner	3/5 3 + 0

8 th SEMESTER (Registered After 2018-19)			
Course name	Lecturer	Credits/ ECTS	L.Hs.
ENE 402	ENERGY DESIGN PROJECT II	5/6	3 + 4
ENE 406	GRADUATION PROJECT	3/4	1 + 2
ENE 414	OCCUPATIONAL HEALTH AND SAFETY II	Şenay Özdemir	1/1 1 + 0
ENE 4XX	ELECTIVE COURSE	3/4	3 + 0
ENE 4XX	ELECTIVE COURSE	3/4	3 + 0
ENE 4XX	ELECTIVE COURSE	3/4	3 + 0
ENE 4XX	ELECTIVE COURSE	3/4	3 + 0
SHESCIUNVELC	SPORT AND HEALTH SCIENCES (MODULE 4)	2/3	2 + 0

ENE 4XX			
ENE 466	SILICON TECHNOLOGY	Kaan Soysal	3/4 3 + 0
ENE 468	ELECTRICAL AND MAGNETIC PROPERTIES OF MATERIALS	Eyüp Duman	3/4 3 + 0
ENE 482	TRANSPORT PHENOMENA	Özcan Köysüren	3/4 3 + 0
ENE 484	HARVESTING ENERGY FROM LIGNOCELLULOSIC BIOMASS	Işık Semerci	3/4 3 + 0
ENE 476	NUCLEAR ENERGY	Eren Şahiner	3/4 3 + 0

4th YEAR SPRING SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 - 09:15			ENE 402		
09:30 - 10:15		ENE 426-466 (ENE4)	ENE 402	ENE 428-468 (ENE4)	
10:30 - 11:15		ENE 426-466 (ENE4)	ENE 402	ENE 428-468 (ENE4)	
11:30 - 12:15	ENE 404-406	ENE 426-466 (ENE4)	ENE 402	ENE 428-468 (ENE4)	
12:30 - 13:15	ENE 404-406				
13:30 - 14:15	ENE 404-406		ENE 436-476 (ENE1)		ENE 450-484 (ENE5)
14:30 - 15:15	ENE 402	ENE 446-482 (online)	ENE 436-476 (ENE1)		ENE 450-484 (ENE5)
15:30 - 16:15	ENE 402	ENE 446-482 (online)	ENE 436-476 (ENE1)		ENE 450-484 (ENE5)
16:30 - 17:15	ENE 402	ENE 446-482 (online)		ENE 414 (online)	
17:30 - 18:15					
18:30 - 19:15					

Graduate Courses

Course name		Lecturer	Credits/ ECTS	L.Hs.
802700735000	RESEARCH METHODS	Işık Semerci	1/3	1 + 0
802700735020	MATHEMATICAL MODELLING IN TRANSPORT PHENOMENA	Özcan Köysüren	3/8	3 + 0
802700735051	APPLIED COMPUTATIONAL FLUID DYNAMICS IN RENEWABLE ENERGY TECHNOLOGIES	Mustafa Tutar	3/8	3 + 0
802700735111	NOVEL MATERIALS FOR ENERGY APPLICATIONS	Eyüp Duman	3/8	3 + 0

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 - 09:15					
09:30 - 10:15	802700735111 (ENE5)			802700735020 (ENE5)	
10:30 - 11:15	802700735111 (ENE5)			802700735020 (ENE5)	
11:30 - 12:15	802700735111 (ENE5)		802700735000 (ENE5)	802700735020 (ENE5)	
12:30 - 13:15					
13:30 - 14:15				802700735051 (ENE5)	
14:30 - 15:15				802700735051 (ENE5)	
15:30 - 16:15				802700735051 (ENE5)	
16:30 - 17:15					
17:30 - 18:15					
18:30 - 19:15					