


Bachelor's Degree in Chemistry

Faculty Of Arts And Sciences

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Course Structure Diagram

First Semester		Theo.	Prac	Credits	ECTS
<u>PHYS 103</u>	GENERAL PHYSICS I	3	2	4	7
<u>MATH 113</u>	CALCULUS I	4	2	5	7
<u>CHEM 105</u>	GENERAL CHEMISTRY I	3	2	4	9
<u>BIOL 107</u>	ESSENTIALS OF BIOLOGY	3	0	3	5
<u>APHR 101</u>	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2	0	2	2
		15	6	18	30

Second Semester		Theo.	Prac	Credits	ECTS
<u>PHYS 104</u>	GENERAL PHYSICS II	3	2	4	7
<u>MATH 114</u>	CALCULUS II	4	0	4	7
<u>CHEM 106</u>	GENERAL CHEMISTRY II	3	2	4	9
<u>CENG 103</u>	FUNDAMENTALS OF COMPUTER PROGRAMMING I	3	2	4	6
<u>APHR 102</u>	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2	0	2	2
		15	6	18	31

Third Semester		Theo.	Prac	Credits	ECTS
<u>TURK 101</u>	TURKISH LANGUAGE I	2	0	2	2
<u>MATH 271</u>	DIFFERENTIAL EQUATIONS	3	0	3	5
<u>CHEM 251</u>	ANALYTICAL CHEMISTRY LABORATORY I	0	4	2	4
<u>CHEM 207</u>	INT. TO ORGANIC CHEMISTRY	3	0	3	7
<u>CHEM 201</u>	ANALYTICAL CHEMISTRY I	4	0	4	7
XXX xxx	NON-TECHNICAL ELECTIVE I	3	0	3	5
		15	4	17	30

Fourth Semester		Theo.	Prac	Credits	ECTS
<u>TURK 102</u>	TURKISH LANGUAGE II	2	0	2	2
<u>CHEM 258</u>	ORGANIC CHEMISTRY LABORATORY I	0	4	2	3
<u>CHEM 256</u>	PHYSICAL CHEMISTRY LABORATORY I	0	4	2	3
<u>CHEM 252</u>	ANALYTICAL CHEMISTRY LABORATORY II	0	4	2	3
<u>CHEM 208</u>	ORGANIC CHEMISTRY I	4	0	4	6
<u>CHEM 206</u>	PHYSICAL CHEMISTRY I	4	0	4	6
<u>CHEM 202</u>	ANALYTICAL CHEMISTRY II	4	0	4	7
		14	12	20	30

Fifth Semester		Theo.	Prac	Credits	ECTS
<u>CHEM 359</u>	PHYSICAL CHEMISTRY LABORATORY II	0	4	2	4
<u>CHEM 358</u>	ORGANIC CHEMISTRY LABORATORY II	0	4	2	4
<u>CHEM 311</u>	INORGANIC CHEMISTRY I	4	0	4	8
<u>CHEM 309</u>	PHYSICAL CHEMISTRY II	4	0	4	7
<u>CHEM 308</u>	ORGANIC CHEMISTRY II	4	0	4	7
		12	8	16	30

Sixth Semester		Theo.	Prac	Credits	ECTS
<u>CHEM 356</u>	BIOCHEMISTRY LABORATORY	0	4	2	4
<u>CHEM 352</u>	INORGANIC CHEMISTRY LABORATORY	0	4	2	4
<u>CHEM 312</u>	INORGANIC CHEMISTRY II	4	0	4	8
<u>CHEM 307</u>	INTRODUCTION TO QUANTUM CHEMISTRY	3	0	3	8
<u>CHEM 306</u>	BIOCHEMISTRY	3	0	3	6
		10	8	14	30

Seventh Semester		Theo.	Prac	Credits	ECTS
<u>CHEM 430</u>	SUMMER PRACTICE	0	0	0	10
<u>CHEM 406</u>	BIOCHEMISTRY II	3	0	3	6
XXX xxx	NON-TECHNICAL ELECTIVE II+	3	0	3	5
XXX xxx	TECHNICAL ELECTIVE I**	3	0	3	5
XXX xxx	TECHNICAL ELECTIVE II**	3	0	3	5
XXX xxx	TECHNICAL ELECTIVE III*	3	0	3	5
		15	0	15	36

Eight Semester		Theo.	Prac	Credits	ECTS
XXX xxx	NON-TECHNICAL ELECTIVE III+	3	0	3	5
XXX xxx	TECHNICAL ELECTIVE IV*	3	0	3	5

XXX xxx	TECHNICAL ELECTIVE V*	3	0	3	5
XXX xxx	TECHNICAL ELECTIVE VI**	3	0	3	5
CHEM xxx	TECHNICAL ELECTIVE VII**	3	0	3	5
CHEM xxx	TECHNICAL ELECTIVE VIII**	3	0	3	5
		18	0	18	30

Total Credits Required in Degree Program: 136 / Total ECTS Credits: 247

INFORMATION: All of the following elective courses aren't opened each semester. Please take information about potential open courses from the head of department.

Elective Courses

TECHNICAL ELECTIVES (3+0) 3		Theo.	Prac	Credits	ECTS
<u>CHEM 310</u>	INTRODUCTION TO POLYMER CHEMISTRY	3	0	3	5
<u>CHEM 313</u>	PRINCIPLES OF PESTICIDE CHEMISTRY	3	0	3	5
<u>CHEM 401</u>	COORDINATION AND CATALYSIS	3	0	3	5
<u>CHEM 402</u>	RESEARCH PROJECT	3	0	3	6
<u>CHEM 403</u>	CHEMICAL BONDING	3	0	3	5
<u>CHEM 404</u>	DYES AND PIGMENTS	3	0	3	6
<u>CHEM 405</u>	MATERIAL CHEMISTRY	3	0	3	5
<u>CHEM 407</u>	MODERN SPECTROSCOPY	3	0	3	5
<u>CHEM 408</u>	ELECTROCHEMISTRY	3	0	3	6
<u>CHEM 409</u>	PRINCIPLES OF TO BIOTECHNOLOGY	3	0	3	5
<u>CHEM 410</u>	SEPARATION TECHNIQUES	3	0	3	6
<u>CHEM 411</u>	ENZYME SCIENCE AND TECHNOLOGY	3	0	3	5
<u>CHEM 412</u>	SURFACE AND COLLOIDAL CHEMISTRY	3	0	3	5
<u>CHEM 413</u>	KİMYA TARİHİ	3	0	3	5
<u>CHEM 414</u>	POLYMER CHEMISTRY	3	0	3	5
<u>CHEM 415</u>	ORGANIC REACTION MECHANISM	3	0	3	5
<u>CHEM 419</u>	ORGANOMETALLIC CHEMISTRY	3	0	3	5
<u>CHEM 420</u>	ENVIRONMENTAL CHEMISTRY	3	0	3	4
<u>CHEM 421</u>	PEPTIDE CHEMISTRY	3	0	3	4
<u>CHEM 422</u>	MEDICINAL CHEMISTRY	3	0	3	5
<u>CHEM 423</u>	INSTRUMENTAL ANALYSIS	3	0	3	5
<u>CHEM 424</u>	SYNTHETIC POLYMER CHEMISTRY	3	0	3	5
<u>CHEM 432</u>	SOLID STATE CHEMISTRY AND INORGANIC MATERIALS	3	0	3	5
<u>CHEM 434</u>	BIOINORGANIC CHEMISTRY	3	0	3	5
<u>CHEM 441</u>	GIDA KİMYASI I	3	0	3	5
<u>CHEM 442</u>	GIDA KİMYASI II	3	0	3	5
<u>CHEM 452</u>	PHYSICAL ORGANIC CHEMISTRY	3	0	3	5
<u>CENG 201</u>	DATA STRUCTURES	3	0	3	5
<u>CENG 203</u>	DIGITAL SYSTEMS	3	2	4	6
<u>CENG 204</u>	PROGRAMMING LANGUAGES	3	0	3	6
<u>CENG 217</u>	OBJECT ORIENTED PROGRAMMING	3	0	3	7
<u>CENG 252</u>	COMPUTER ORGANIZATION	3	0	3	7
<u>CENG 303</u>	MICROPROCESSORS AND MICROCOMPUTING	3	0	3	7
<u>CENG 310</u>	WEB PROGRAMMING	3	0	3	7
<u>CENG 341</u>	OPERATING SYSTEMS	3	0	3	8
<u>CENG 351</u>	DATABASE MANAGEMENT SYSTEMS	3	0	3	7
<u>CENG 362</u>	COMPUTER NETWORKS	3	2	4	8
<u>CENG 401</u>	SOFTWARE ENGINEERING	3	0	3	5
<u>CENG 410</u>	INTRO. TO DESIGN PATTERNS & FRAMEWORKS	3	0	3	5
<u>CENG 453</u>	INTRODUCTION TO E-BUSINESS/E-COMMERCE	3	0	3	5
<u>CENG 454</u>	INTRO. TO EXTENSIBLE MARKUP LANGUAGE (XML)	3	0	3	5
<u>CENG 456</u>	MULTIMEDIA SYSTEMS	3	0	3	5
<u>CENG 464</u>	DISTRIBUTED SYSTEMS	3	0	3	5
<u>CENG 465</u>	MOBILE AND WIRELESS NETWORKING	3	0	3	5
<u>CENG 482</u>	NETWORK SECURITY	3	0	3	5
<u>CENG 484</u>	EMBEDDED SYSTEMS	3	0	3	5
<u>CENG 485</u>	INTRODUCTION TO CRYPTOGRAPHY	3	0	3	5
<u>CENG 492</u>	INTRODUCTION TO PATTERN RECOGNITION	3	0	3	5
<u>CENG 497</u>	SENIOR DESIGN PROJECT I	0	4	2	3
<u>CENG 498</u>	SENIOR DESIGN PROJECT II	0	6	3	8
<u>BIOL 201</u>	GENERAL MICROBIOLOGY I	3	0	3	8
<u>BIOL 202</u>	GENERAL MICROBIOLOGY II	3	0	3	4
<u>BIOL 203</u>	GENERAL ECOLOGY	3	0	3	8
<u>BIOL 204</u>	CELL BIOLOGY	3	0	3	4
<u>BIOL 251</u>	GENERAL MICROBIOLOGY LAB. I	0	2	1	1
<u>BIOL 253</u>	CELL BIOLOGY LAB.	0	2	1	4
<u>BIOL 301</u>	GENETICS	3	0	3	5
<u>BIOL 302</u>	MOLECULAR GENETICS	3	0	3	8
<u>BIOL 303</u>	PHYSIOLOGY I	3	0	3	5
<u>BIOL 304</u>	PHYSIOLOGY II	3	0	3	8
<u>BIOL 305</u>	BIOCHEMISTRY I	3	0	3	5
<u>BIOL 306</u>	BIOCHEMISTRY II	3	0	3	8
<u>BIOL 307</u>	MOLECULAR BIOLOGY	3	0	3	5

<u>BIOL 351</u>	GENETICS LABORATORY	0	2	1	2
<u>BIOL 352</u>	MOLECULAR GENETICS LABORATORY	0	2	1	2
<u>BIOL 353</u>	PHYSIOLOGY LABORATORY I	0	2	1	2
<u>BIOL 354</u>	PHYSIOLOGY LABORATORY II	0	2	1	2
<u>BIOL 355</u>	BIOCHEMISTRY LABORATORY I	0	2	1	2
<u>BIOL 356</u>	BIOCHEMISTRY LABORATORY II	0	2	1	2
<u>BIOL 357</u>	MOLECULAR BIOLOGY LABORATORY	0	4	2	4
<u>BIOL 401</u>	TOXICOLOGY	3	0	3	8
<u>BIOL 403</u>	MEDICAL MICROBIOLOGY	3	0	3	6
<u>BIOL 404</u>	IMMUNOLOGY	3	0	3	7
<u>BIOL 408</u>	CANCER BIOLOGY	3	0	3	6
<u>BIOL 409</u>	SPECIAL TOPICS IN MOLECULAR BIOLOGY	3	0	3	6
<u>BIOL 412</u>	IMMUNITY TO MICROBIAL AGENTS	3	0	3	6
<u>BIOL 418</u>	BIOTECHNOLOGY & GENETIC ENGINEERING	3	0	3	6
<u>ENVE 203</u>	ENVIRONMENTAL CHEMISTRY I	2	2	3	5
<u>ENVE 204</u>	ENVIRONMENTAL CHEMISTRY II	2	2	3	5
<u>ENVE 205</u>	ENGINEERING THERMODYNAMICS	2	0	2	5
<u>ENVE 206</u>	ENVIRONMENTAL MICROBIOLOGY	2	2	3	6
<u>ENVE 210</u>	MATERIALS SCIENCE IN ENVIRONMENTAL ENGINEERING	3	0	3	5
<u>ENVE 212</u>	ENVIRONMENTAL ECOLOGY	3	0	3	5
<u>ENVE 301</u>	BIOLOGICAL PROCESSES	3	0	3	5
<u>ENVE 303</u>	UNIT OPERATIONS AND PROCESSES OF WATER TREATMENT I	3	0	3	5
<u>ENVE 304</u>	UNIT OPERATIONS AND PROCESSES OF WASTE WATER TREATMENT II	3	0	3	5
<u>ENVE 307</u>	AIR POLLUTION	3	0	3	5
<u>ENVE 312</u>	WATER SUPPLY AND SEWERAGE	3	0	3	5
<u>ENVE 315</u>	HYDROLOGY	2	0	2	3
<u>ENVE 317</u>	FLUID MECHANICS	3	0	3	5
<u>ENVE 325</u>	OCCUPATIONAL HEALTH AND SAFETY	3	0	3	5
<u>ENVE 344</u>	SOLID WASTE MANAGEMENT	3	0	3	5
<u>ENVE 350</u>	SUSTIANBLE ENERGY MANAGEMENT	3	0	3	5
<u>ENVE 402</u>	ENVIRONMENTAL BIOTECHNOLOGY	3	0	3	5
<u>ENVE 404</u>	ENVIRONMENTAL SCIENCE	3	0	3	5
<u>ENVE 407</u>	AIR POLLUTION CONTROL	3	0	3	5
<u>ENVE 408</u>	MARINE POLLUTION	3	0	3	5
<u>ENVE 409</u>	WASTEWATER TREATMENT	3	0	3	5
<u>ENVE 411</u>	ENERGY AND ENVIRONMENT	3	0	3	5
<u>ENVE 415</u>	SOIL MECHANICS	2	2	3	5
<u>ENVE 417</u>	ENVIRONMENTAL LAW	3	0	3	5
<u>ENVE 420</u>	ENGINEERING ETHICS	3	0	3	5
<u>ENVE 424</u>	LANDFILL DESING	3	0	3	5
<u>ENVE 427</u>	ENVIRONMENTAL TOXICOLOGY	3	0	3	5
<u>ENVE 430</u>	ENVIRONMENTAL POLICIES IN THE EU AND TURKEY	3	0	3	5
<u>ENVE 497</u>	SENIOR PROJECT I	0	2	1	3
<u>EEE 201</u>	CIRCUIT THEORY I	3	2	4	7
<u>EEE 202</u>	CIRCUIT THEORY II	3	2	4	7
<u>EEE 237</u>	INTRODUCTION TO MICROPROCESSORS	3	2	4	5
<u>EEE 285</u>	ELECTROMAGNETIC FIELD THEORY	3	0	3	5
<u>EEE 286</u>	ELECTROMAGNETIC WAVE THEORY	3	0	3	6
<u>EEE 292</u>	ELECTRONIC CIRCUITS AND DEVICES	3	2	4	5
<u>EEE 316</u>	COMMUNICATIONS I	3	2	4	6
<u>EEE 321</u>	ELECTRONICS I	3	2	4	6
<u>EEE 322</u>	ELECTRONICS II	3	2	4	7
<u>EEE 338</u>	LINEAR CONTROL SYSTEMS	3	2	4	6
<u>EEE 353</u>	SIGNALS AND SYSTEMS	3	0	3	6
<u>EEE 361</u>	ELECTRICAL MACHINERY I	3	2	4	6
<u>EEE 362</u>	ELECTRICAL MACHINERY II	3	2	4	6
<u>EEE 371</u>	ELECTRICAL DISTRIBUTION SYSTEMS	3	0	3	5
<u>EEE 373</u>	HIGH VOLTAGE TECHNIQUES	3	0	3	5
<u>EEE 411</u>	COMMUNICATIONS II	3	2	4	6
<u>EEE 415</u>	INTRODUCTION TO MODULATION AND CODING	3	0	3	5
<u>EEE 416</u>	INTRODUCTION TO OPTICAL FIBER COMMUNICATIONS	3	0	3	5
<u>EEE 421</u>	ANALOG INTEGRATED CIRCIUT DESIGN	3	2	4	6
<u>EEE 423</u>	POWER ELECTRONICS I	3	2	4	6
<u>EEE 432</u>	PROCESS CONTROL	3	2	4	6
<u>EEE 436</u>	MECHATRONICS	3	0	3	5
<u>EEE 451</u>	DIGITAL SIGNAL PROCESSING	3	2	4	6
<u>EEE 484</u>	INTRODUCTION TO ANTENNAS AND PROPAGATION	3	0	3	5
<u>EEE 496</u>	SPECIAL TOPICS IN ELECTRONICS ENGINEERING II	3	0	3	5
<u>EEE 498</u>	SENIOR DESING PROJECT	0	6	3	9
<u>IE 218</u>	OPERATIONS RESEARCH II	3	1	3	7
<u>IE 236</u>	WORK METHODS AND MEASUREMENT	3	0	3	5
<u>IE 321</u>	PRODUCTION PLANNING AND CONTROL I	3	0	3	6
<u>IE 322</u>	PRODUCTION PLANNING AND CONTROL II	3	0	3	5
<u>IE 325</u>	COST ANALYSIS AND CONTROL	3	0	3	5

<u>IE 341</u>	DATABASE MANAGEMENT IN INDUSTRIAL ENGINEERING	2	2	3	6
<u>IE 344</u>	QUALITY CONTROL	3	0	3	5
<u>IE 346</u>	SYSTEM ANALYSIS AND SIMULATION	2	2	3	6
<u>IE 430</u>	TOTAL QUALITY MANAGEMENT	3	0	3	5
<u>IE 445</u>	COMPUTER INTEGRATED MANUFACTURING SYSTEMS	3	0	3	5
<u>IE 455</u>	APPLIED OPTIMIZATION	3	0	3	5
<u>IE 470</u>	SUPPLY CHAIN AND LOGISTICS MANAGEMENT	3	0	3	5
<u>IE 473</u>	ENTERPRISE RESOURCE PLANNING	3	0	3	5
<u>IE 481</u>	SPECIAL TOPICS IN INDUST. ENG. I	3	0	3	5
<u>IE 487</u>	RESEARCH METHODS	2	0	2	3
<u>PHYS 201</u>	VIBRATION AND WAVES	3	0	3	5
<u>PHYS 206</u>	OPTICS	3	0	3	6
<u>PHYS 208</u>	CLASSICAL MECHANICS	4	0	4	7
<u>PHYS 210</u>	MODERN PHYSICS	3	0	3	6
<u>PHYS 251</u>	PHYSICS LABORATORY III	0	2	1	2
<u>PHYS 252</u>	PHYSICS LABORATORY IV	0	2	1	2
<u>PHYS 261</u>	MATHEMATICS METHODS IN PHYSICS	3	0	3	5
<u>PHYS 303</u>	QUANTUM MECHANICS I	3	0	3	6
<u>PHYS 304</u>	QUANTUM MECHANICS II	3	0	3	6
<u>PHYS 305</u>	ELECTROMAGNETIC THEORY I	3	0	3	6
<u>PHYS 306</u>	ELECTROMAGNETIC THEORY II	3	0	3	6
<u>PHYS 321</u>	HEAT AND THERMODYNAMICS	3	0	3	6
<u>PHYS 324</u>	STATISTICAL PHYSICS	3	0	3	6
<u>PHYS 351</u>	PHYSICS LABORATORY V	0	2	1	2
<u>PHYS 352</u>	PHYSICS LABORATORY VI	0	2	1	2
<u>PHYS 403</u>	ATOMIC PHYSICS	3	0	3	8
<u>PHYS 404</u>	NUCLEAR AND PARTICLE PHYSICS	3	0	3	6
<u>PHYS 406</u>	MOLECULAR PHYSICS	3	0	3	7
<u>PHYS 421</u>	SOLID STATE PHYSICS I	3	0	3	8
<u>PHYS 422</u>	SOLID STATE PHYSICS II	3	0	3	6
<u>PHYS 423</u>	SEMICONDUCTOR PHYSICS	3	0	3	6
<u>PHYS 424</u>	LASERS	3	0	3	6
<u>PHYS 426</u>	MAGNETIC PROPERTIES OF SOLIDS	3	0	3	6
<u>PHYS 451</u>	PHYSICS LABORATORY VII	0	2	1	2
<u>MATH 201</u>	ADVANCED CALCULUS I	4	0	4	8
<u>MATH 202</u>	ADVANCED CALCULUS II	4	0	4	8
<u>MATH 225</u>	NUMBER THEORY I	3	0	3	8
<u>MATH 226</u>	NUMBER THEORY II	3	0	3	8
<u>MATH 272</u>	BOUNDARY VALUE PROBLEMS	3	0	3	5
<u>MATH 281</u>	PROBABILITY & STATISTICS	3	0	3	5
<u>MATH 286</u>	MATLAB AND MAPLE	3	0	3	5
<u>MATH 301</u>	COMPLEX ANALYSIS I	3	0	3	7
<u>MATH 302</u>	COMPLEX ANALYSIS II	3	0	3	7
<u>MATH 331</u>	ABSTRACT ALGEBRA I	3	0	3	8
<u>MATH 332</u>	ABSTRACT ALGEBRA II	3	0	3	8
<u>MATH 345</u>	INTRODUCTION TO PROBABILITY THEORY	3	0	3	5
<u>MATH 346</u>	INTRODUCTION TO STATISTICS	3	0	3	4
<u>MATH 355</u>	GRAPH THEORY	3	0	3	5
<u>MATH 371</u>	INTRODUCTION TO PDES	3	0	3	5
<u>MATH 375</u>	NUMERICAL ANALYSIS I	3	0	3	5
<u>MATH 376</u>	NUMERICAL ANALYSIS II	3	0	3	5
<u>MATH 379</u>	INEQUALITIES	3	0	3	5
<u>MATH 401</u>	REAL ANALYSIS	3	0	3	10
<u>MATH 410</u>	FUNCTIONAL ANALYSIS	3	0	3	10
<u>MATH 429</u>	GROUP THEORY	3	0	3	5
<u>MATH 430</u>	INTRODUCTION TO THEORY OF L-FUNCTIONS	3	0	3	5
<u>MATH 440</u>	DIFFERENTIAL GEOMETRY	3	0	3	10
<u>MATH 461</u>	GENERAL TOPOLOGY	3	0	3	10
<u>MATH 474</u>	FOURIER SERIES AND INTEGRALS	3	0	3	5
<u>MATH 477</u>	NUMERICAL SOLUTIONS OF ODES	3	0	3	5
<u>MATH 480</u>	GENERAL MATHEMATICAL CONCEPTS AND METHODS	3	0	3	5
<u>MATH 489</u>	COMPUTATIONAL MATHEMATICS	3	0	3	5
NON-AREA TECHNICAL ELECTIVES (3+0) 3		Theo.	Prac	Credits	ECTS
<u>APHR 305</u>	OSMANLI DÖNEMİNDE ERMENİLER	3	0	3	5
<u>APHR 411</u>	CUMHURİYET DÖNEMİ ÇAĞDAŞLAŞMA HAREKETLERİ	3	0	3	5
<u>EDU 420</u>	APPLIED EDUCATIONAL ENTREPRENEURSHIP	2	2	3	5
<u>ARB 201</u>	ARABIC LANGUAGE I	3	0	3	5
<u>ARB 202</u>	ARABIC LANGUAGE II	3	0	3	5
<u>CHN 201</u>	ÇİN DİLİ I	3	0	3	5
<u>CHN 202</u>	CHINESE LANGUAGE II	3	0	3	5
<u>FRE 201</u>	FRANSIZ DİLİ I	3	0	3	5
<u>FRE 202</u>	FRANSIZ DİLİ II	3	0	3	5
<u>FRE 301</u>	FRANSIZ DİLİ III	3	0	3	5
<u>GER 201</u>	ALMAN DİLİ I	3	0	3	5
<u>GER 202</u>	ALMAN DİLİ II	3	0	3	5

JAP 201	JAPANESE LANGUAGE I	3	0	3	5
JAP 202	JAPANESE LANGUAGE II	3	0	3	5
<u>PRS 201</u>	FARS DİLİ I	3	0	3	5
<u>PRS 202</u>	FARS DİLİII	3	0	3	5
<u>RUS 201</u>	RUS DİLİ I	3	0	3	5
<u>RUS 202</u>	RUS DİLİ II	3	0	3	5
<u>SPN 201</u>	İSPANYOL DİLİ I	3	0	3	5
<u>SPN 202</u>	SPANISH LANGUAGE II	3	0	3	5
<u>PHIL 207</u>	AHLAK SİSTEMLERİ	4	0	4	6

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