

PİRİ REİS UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF INFORMATION SYSTEMS ENGINEERING
ELECTIVE COURSES

Elective Course Group	Course Code	Course Name	T	A	L	C	ECTS
ELECT 111 ELECT 121 ELECT 221 ELECT 312	HUM 001	Humanity and Society	2	1	0	2.5	3
	HUM 002	Philosophy of Science	2	1	0	2.5	3
	HUM 003	History of Culture	2	1	0	2.5	3
	HUM 004	History of Science and Technology	2	1	0	2.5	3
	HUM 005	Maritime History and Culture	2	1	0	2.5	3
	HUM 006	Philosophy goes to the Movies	2	1	0	2.5	3
	HUM 007	Globalization and International Relations	2	1	0	2.5	3
	HUM 008	Science and Society in Modern Times	2	1	0	2.5	3
ELECT 222 ELECT 311 ELECT 321 ELECT 322	ENG 311	Quality Control in Manufacturing	2	0	0	2	3
	ENG 312	Engineering Ethics	2	0	0	2	3
	ENG 313	Economics	2	0	0	2	3
	ENG 319	Engineering Optimization	2	0	0	2	3
	ENG 421	Engineering Economics	2	0	0	2	3
	ENG 454	Law	2	0	0	2	3
ELECT 411 ELECT 421	CHN 101	Basic Chinese I	3	0	0	3	5
	ENG 100	Business English I	3	0	0	3	5
	ENG 329	Quality Management Systems	3	0	0	3	5
	ENG 330	Analytical Thinking and Problem Solving Techniques	3	0	0	3	5
	FRA 102	French I	3	0	0	3	5
	IND 217	Introduction to Environmental Science	3	0	0	3	5
	IND 245	Ergonomics	3	0	0	3	5
	IND 311	Operations Research I	3	0	0	3	5
	IND 319	Scientific Research Methods	3	0	0	3	5
	IND 413	Total Quality Management	3	0	0	3	5
	RUS 101	Basic Russian I	3	0	0	3	5
ELECT 424	WAS C01	Water Sports	0	2	0	1.0	2
	VOL 001	Volunteering Practices	0	2	0	1.0	2

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TECHNICAL ELECTIVES

Elective Course Group	Course Code	Course Name	T	A	L	C	ECTS
	ISE 431	Advanced Web Programming	3	0	0	3	5
	ISE 432	Advanced GUI Programming	3	0	0	3	5
	ISE 433	Design and Analysis of GUI	3	0	0	3	5
	ISE 434	Game Programming	3	0	0	3	5
	ISE 435	Mobile Programming	3	0	0	3	5
	ISE 436	Design Patterns	3	0	0	3	5
	ISE 437	Introduction to Service Oriented Architecture	3	0	0	3	5
	ISE 438	Compiler Design and Applications	3	0	0	3	5
	ISE 439	Internet Technologies	3	0	0	3	5
	ISE 440	Parallel Programming	3	0	0	3	5

ISEL 311
 ISEL 322
 ISEL 412
 ISEL 413
 ISEL 422
 ISEL 423

ISE 450	Software Quality Assurance and Testing	3	0	0	3	5
ISE 451	Combinational Algorithms and Graph Theory	3	0	0	3	5
ISE 452	Human Computer Interaction	3	0	0	3	5
ISE 462	Computer Vision	3	0	0	3	5
ISE 463	Automatic Recognition Technologies	3	0	0	3	5
ISE 464	Introduction to Data Mining	3	0	0	3	5
ISE 465	Big Data and Business Analytics	3	0	0	3	5
ISE 466	Introduction to Machine Learning	3	0	0	3	5
ISE 467	Internet of Things	3	0	0	3	5
ISE 468	Smart Manufacturing	3	0	0	3	5
ISE 481	Biomedical Information Systems	3	0	0	3	5
ISE 482	Cloud Computing	3	0	0	3	5
ISE 483	Introduction to Network Security and Cryptography	3	0	0	3	5
ISE 484	Computer Graphics	3	0	0	3	5
ISE 485	Computer Forensics	3	0	0	3	5
EEE 442	Artificial Intelligence	3	0	0	3	5
EEE 443	Control with Fuzzy Logic	3	0	0	3	5
EEE 456	Embedded Systems	3	0	0	3	5
EEE 457	Digital Image Processing	3	0	0	3	5
EEE 458	Digital Video Processing	3	0	0	3	5
EEE 459	Pattern Recognition	3	0	0	3	5
EEE 491	Electric Circuits	3	0	0	3	5
EEE 492	Electronic Devices and Circuits	3	0	0	3	5
EEE 493	Fundamentals of Signals and Systems	3	0	0	3	5
EEE 494	Fundamentals of Digital Signal Processing	3	0	0	3	5
EEE 495	Engineering Electromagnetics	3	0	0	3	5
EEE 496	Electrical Machines	3	0	0	3	5
EEE 497	Telecommunication Systems	3	0	0	3	5
EEE 499	Mechatronics and Robotics	3	0	0	3	5
MATH 491	Abstract Mathematics	3	0	0	3	5