

İzmir Kültür Çelebi University Engineering and Architecture Faculty
2024 - 2025 Fall Semester Midterm Program

BIOMEDICAL ENGINEERING						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	BME203 Circuit Theory	MAT201 Linear Algebra and Differential Equations	BME209 Human Anatomy and Physiology	BME205 Technical Report Writing and Measurement Techniques	BME208 Logic Design and Circuits	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	BME443 Introduction to Pharmacokinetics	MAT201 Calculus I	PHY201 Physics I	BME441 Signal Processing of Biological Signals	BME407 Medical Sciences I	ES411 Occupational Health and Safety I
12:20 - 13:50	BME311 Biostatistics I	BME307 Biomedical Instrumentation	BME303 Biomechanics	BME305 Biomechanics	BME400 Biomedical Ethics and Safety	
14:10 - 15:40	PHY202 Physics II	BME405 Basic Human Medicine	BME403 Biomedical Applications of Nanotechnology	BME402 Adaptive Biomedical Signal Processing		BME401 Industrial Systems
16:00 - 17:30	BME315 Probability and Random Processes	BME405 Introduction to Biomedical Image Processing	BME407 Introduction to Biomedical Systems in Medical Devices	BME403 Adaptive Biomedical Signal Processing	UNIVERSITY ELECTIVE COURSES	
	BME313 Probability and Random Processes	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	BME403 Adaptive Biomedical Signal Processing	CH103 General Chemistry	

CIVIL ENGINEERING						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	CE005 Engineering Geology	MAT205 Differential Equations	CE201 Material Science	CE205 Principles of Testing and Measurement	CE005 Probability and Statistics for Engineers	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	CE201 Materials of Construction	MAT201 Calculus I	PHY201 Physics I	CE006 Matrix Methods in Structural Analysis	CE203 Design of Steel Structures	ES411 Occupational Health and Safety I
12:20 - 13:50	CE401 Composite Construction Chemicals	CE201 Structural Mechanics and Design	CE201 Hydraulics	CE271 Soil Mechanics	CE401 Fundamentals of Architecture and Construction	CE475 Introduction to Environmental Geotechnics
14:10 - 15:40	PHY202 Physics II	CE407 Computer Applications in Structural Engineering	CE403 Introduction to CFD	CE406 Material Design		
16:00 - 17:30	CE405 Principles of Earthquake Resistant Design	CE406 Introduction to Traffic Engineering	CE471 Site Investigation Methods in Geotechnical Engineering	CE454 Fundamentals of Statistical Hydrology	UNIVERSITY ELECTIVE COURSES	
	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	CE454 Fundamentals of Statistical Hydrology	CH103 Chemistry for Engineers		

ELECTRICAL/ELECTRONIC ENGINEERING						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	EET205 Differential Equations	EET205 Logic Design	EET205 Electromagnetic Theory	EET203 Circuit Theory I	ENG401 Interdisciplinary Engineering Design Project	
10:20 - 11:50	EET409 Industrial Automation	MAT201 Calculus I	PHY201 Physics I	EET401 Introduction to EEI	ES411 Occupational Health and Safety I	EE246 Introduction to Robotics
12:20 - 13:50	MAT203 Linear Algebra	EET403 Introduction to Machine Learning	EET209 Electromagnetic Energy Conversion Principles I	EET201 Electronics II		EET314 Power Electronics
14:10 - 15:40	PHY202 Physics II	EET402 High Voltage Technology	EET404 Introduction to Image Processing			
16:00 - 17:30	EET301 Signal and Systems	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	EET407 Graduation Project I	EET402 Antennas and Propagation	UNIVERSITY ELECTIVE COURSES	
		ENG110 (16.30-17.15)	EET402 Antennas and Propagation	CH103 Chemistry for Engineers		

MECHANICAL ENGINEERING						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	ME201 Material Science & Engineering I	MAT205 Differential Equations	CE205 Comp. Eng. and Appl. (08:00-10:00)	ME211 Comp. Aided Engineering Drawing I	ME201 Strength of Materials I	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	ME201 Introduction to Mechanical Engineering	MAT201 Calculus I	PHY201 Physics I	ME205 Machine Fluid Mechanics	ME201 Numerical Methods in Engineering	ME405 Heatting, Vent. and Air Conditioning
12:20 - 13:50	ME211 Theory of Machines	ME221 Fluid Mechanics	ME205 Heat Transfer	ME211 Machine Elements I		
14:10 - 15:40	PHY202 Physics II	ME401 Gas Turbine and Propulsion	ME403 Comp. Applications in Mech. Engineering	MAT202 Calculus II	ME474 Mechanical Vibration	ME413 Research in Mechanical Design
16:00 - 17:30	ME405 and Applications of Mech. Eng. I	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ME405 Introduction to Solid Mechanics	ME405 Intro. to Comp. Materials	UNIVERSITY ELECTIVE COURSES	
	ME404 Mechanical Design Application	ENG110 (16.30-17.15)	ME405 Introduction to Solid Mechanics	ME405 Intro. to Comp. Materials	ME401 Manufacturing Processes	CH103 General Chemistry

MECHATRONICS ENGINEERING						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	ME211 Electrical and Electronic Circuit Theory I	MAT205 Differential Equations	ME211 Computer Aided Technical Drawing I	ME241 Thermodynamics	ME203 Dynamics	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	ME201 Introduction to Mechatronics Engineering	MAT201 Calculus I	PHY201 Physics I	ME402 Introduction to Robot Technologies	ME221 Single Board Control System Design	ME221 Material Science
12:20 - 13:50	ME405 System Modeling and Analysis	ME209 Signal Processing	ME205 Sensor Systems	ME211 Mechatronics Design I	ME203 Computer Aided Design and Manufacturing	ME404 Machine Vision in Mechatronics
14:10 - 15:40	PHY202 Physics II	ME407 PID Control	MAT202 Calculus II			
16:00 - 17:30	ME401 Hydraulics and Pneumatics	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	CE108 C Programming	UNIVERSITY ELECTIVE COURSES	
	ME409 Mechanical Vibrations	ENG110 (16.30-17.15)	CE108 C Programming	ME207 Mechatronics System Design I	CH103 Chemistry for Engineers	

PETROLEUM AND NATURAL GAS ENGINEERING MODULES						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	PNGE201 Reservoir Fluid Properties	PNGE211 Reservoir Rock Properties	CE209 Control Programming (MATLAB) (09:00-10:00)	PNGE207 Statics and Strength of Materials	PNGE206 Probability and Statistics for Engineers	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	PNGE105 Engineering Fundamentals I	MAT201 Calculus I	PHY201 Physics I	GE005 Physical Geology	PNGE409 Surface Production Operations	ES411 Occupational Health and Safety I
12:20 - 13:50	PNGE101 Reservoir Characterization Engineering I	PNGE207 Production Production	PNGE213 Heat Transfer	PNGE201 Natural Gas Engineering		PNGE202 Fluid Mechanics
14:10 - 15:40	PHY202 Physics II	PNGE419 Geothermal Reservoir Eng.	PNGE405 Petroleum Engineering Design I	MAT202 Calculus II		
16:00 - 17:30	PNGE216 Drilling and Well Completion Engineering I	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	PNGE402 Well Logging	UNIVERSITY ELECTIVE COURSES	
		ENG110 (16.30-17.15)	PNGE402 Well Logging	PNGE205 Geology of Oil and Gas	CH103 General Chemistry	

METALLURGICAL AND MATERIALS ENGINEERING (MATRIAL SCIENCE ENGINEERING)						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	MSE217 Material Chemistry	MSE213 Thermodynamics of Materials I	CE205 Comp. Prog. and Applications (08:00-10:00)	MSE219 Starts and Strength of Materials	ENG401 Interdisciplinary Engineering Design Project	
10:20 - 11:50	MSE413 Materials Science and Engineering Survey	MAT201 Calculus I	PHY201 Physics I	MSE213 Macromolecules and Polymeric Materials	MSE215 Occupational Health and Safety I	ES411 Occupational Health and Safety I
12:20 - 13:50	MSE219 Corrosion and Protection	MSE227 Extractive Metallurgy	MSE215 Materials Characterization Tech. I	MSE215 Materials Science I		
14:10 - 15:40	PHY202 Physics II	MSE211 Applied Engineering Mathematics	MSE216 Coating and Surface Treatment	MAT202 Calculus II		
16:00 - 17:30	MSE217 Mechanical Behavior of Materials	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	MSE216 Recycling of Materials	UNIVERSITY ELECTIVE COURSES	
	MSE213 Phase Diagrams	ENG110 (16.30-17.15)	MSE216 Recycling of Materials		CH103 General Chemistry	

GEOMATICS ENGINEERING						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	GE201 Advanced Surveying	MAT205 Differential Equations	CE205 Comp. Prog. and Applications (08:00-10:00)	GE203 Real Estate Law	GE201 Probability and Statistics for Engineers	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	GE201 Introduction to Geomatics Engineering	MAT201 Calculus I	PHY201 Physics I	GE202 LiDAR Photogrammetry	GE202 Geomatics Systems in Geology	ES411 Occupational Health and Safety I
12:20 - 13:50	MAT209 Applied Linear Algebra	GE202 Geog. Info. Sys.	GE203 Adjustment Computations	GE201 Photogrammetry I	GE202 Digital Photogrammetry	
14:10 - 15:40	PHY202 Physics II	GE204 Geomatics Measurements and Analysis	GE203 Real Estate Valuation	MAT202 Calculus II		
16:00 - 17:30	GE201 Land Development	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	GE203 Wild Cartography	UNIVERSITY ELECTIVE COURSES	
		ENG110 (16.30-17.15)	GE203 Wild Cartography		EN300 Engineering Ethics	CH103 Chemistry for Engineers

COMPUTER ENGINEERING MODULES						
Yarıyıl	18.11.2024	19.11.2024	20.11.2024	21.11.2024	22.11.2024	23.11.2024
08:30 - 10:00	CENG207 Circuits and Electronics	MAT205 Differential Equations	CENG205 Discrete Mathematics for Computer Sciences	CENG203 Object Oriented Programming	CENG206 Theory of Computation	ENG401 Interdisciplinary Engineering Design Project
10:20 - 11:50	CENG413 Information Security	MAT201 Calculus I	PHY201 Physics I	CENG101 Algorithms and Programming	CENG307 Software Engineering	CENG318 Mobile Application Development
12:20 - 13:50	MAT209 Linear Algebra	CENG201 Algorithms Analysis and Design				CENG316 Design Patterns
14:10 - 15:40	PHY202 Physics II	CENG418 Intro to Deep Learning				
16:00 - 17:30	CENG301 Software Development I	ATA101.1 (7 ECTS Sınav) ATA101.2 (7 ECTS Sınav) TOS101.1 (7 ECTS Sınav) TOS101.2 (7 ECTS Sınav)	ENG110 (16.30-17.15)	CENG305 Computer Networks	UNIVERSITY ELECTIVE COURSES	
		ENG110 (16.30-17.15)	CENG305 Computer Networks		CH103 General Chemistry	