

Business School - Fall 2023

Code	Course
MNG1215	Human Resource Management
MNG1303	Innovation Management
FIN1306	Financial Statement Analysis
FIN1305	Global Financial Institutions and Markets
FIN1324	Mergers and Acquisitions
FIN1321	Cases in Accounting
FIN1207	Financial Accounting According to IFRS
FIN1318	Intermediate Accounting I
MNG1312	Change Management
MNG 1301	Operations Management
FIN1323	Investment Banking
MNG1317	Decision Making
ECO1306	Digital transformation
ECO1201	Introduction to Economics (Coursera)
FIN1316	Business Valuation
ECO1216	Principles of Microeconomics
MNG1320	Marketing Strategy
MNG1214	Marketing and Social Media
MNG1204	Research Methods in Business (Excel)
FIN1305	Global Financial Institutions and Markets
MNG1319	Advanced Marketing
MNG1202	Introduction to Marketing
MNG1203	Business Communications
MNG1306	Contemporary Issues and Challenges Strategic HRM
FIN1205	Corporate Finance
FIN1308	Quantitative Investment Management
ECO1209	Data Analysis and Economic Forecasting
FIN1322	Advanced Managerial Accounting
FIN1320	IFRS Accounting
MRK1302	Brand management
MRK1301	Marketing research
MNG1305	Strategic Management
FIN1307	Taxes and Taxation
MNG1205	Business Planning and Consulting
ECO1219	Introduction to Economics
FIN1325	Ethics in Accounting
FIN1202	Introduction to Accounting
ECO1215	Introduction to Excel
MNG1206	Entrepreneurship
MNG1226	Business Analytics
MRK1309	Presentation design
FIN1206	Investments

School of Information Technology and Engineering - Fall 2023

Code	Course
INFT3106	Fundamentals of Business for Information Systems
CEEN 3108	Fundamentals of Robotics (APEC)
ACEN3145	Industrial Robot Operations
CSE2256	Power Control (APEC)
INFT3212	Block chain technology and Applications
CSCI3245	Cloud Applications Development
INFT4148	Enterprise Architecture
INFT3108	IT Project Management
CSE1119	Introduction to Self-Driving Cars
CSCI2208	Software Engineering
CSCI2105	Algorithms and Data Structures
EGR1228	Analog Design Principles and Practice
CEEN2217	Automation Components and Devices
CEEN 2215	Electronics and Digital Design (APEC)
CEEN2101	Foundations of Electrical Engineering I
CEEN 3109	Signal Processing (APEC)
CSCI3233	Data Mining
MATH4133	Introduction to Artificial Intelligence
CSE1116	Unreal Engine basics
CSCI2105	Algorithms and Data Structures
CSCI2109	Computer Networks and Architecture
INFS3233	Networks and security
INFT3230	IT Audit
SPD14190	Senior Project Design I
CEEN2101	Foundations of Electrical Engineering I
CSCI 3111	Computation Theory
INFG4236	Game development and design
CSE1118	Narrative design
CSCI1100	Introduction to Programming Principles (C++)
INFT3138	iOS Advanced
CEEN2101	Foundations of Electrical Engineering I
CEEN2203	Foundations of Electrical Engineering II (APEC)
EGR1229	Linear Circuit Transfer Functions (APEC)
CEEN3109	Signal Processing
CEEN3106	Theory of Linear Control Systems
INFT3107	Basics of Information Systems
INFS4140	Introduction to Digital Forensics
CSCI2105	Algorithms and Data Structures
INFT3139	JS Framework. React
CSCI1204	Programming Principles II
ACEN3134	Internet of Things and Embedded Systems
EGR1205	Electrical Engineering (SCE)
CEEN 2101	Foundations of Electrical Engineering I (APEC)
CSCI2104	Databases
INFT4111	Cyber Security Fundamentals

INFS4139	Ethical Hacking
CSCI2105	Algorithms and Data Structures
INFT3140	JS Framework. Angular
INFE2233	Technological Entrepreneurship & Startups
CEEN2101	Foundations of Electrical Engineering I
CEEN3211	Microprocessor Control Systems (APEC)
INFS4142	Introduction to DevOps
CSE1110	Information and Communication Technologies
CEEN 3313	Automation of Standard Technological Processes and Manufacturing (APEC)
ACEN4236	SCADA systems and Industrial networks
CEEN3313	Automation of Standard Technological Processes and Manufacturing
ACEN4149	Industrial Artificial Intelligence
CSCI2105	Algorithms and Data Structures
INFT3137	Android Advanced
INFT4242	Backend for High Loaded Enviroment
INFT4245	Golang application development
ACEN4135	Server engineering and configuration implementation
CSE1121	Digital electronics systems design, practical fundamentals
CSE1117	Unity Game Engine Basics
INFG3132	3D Character Design (Character Modeling in 3D)
INFG4135	Augmented and Virtual Reality
CSCI2106	Object-Oriented Programming and Design
CSCI1101	Programming Principles I
CSCI3214	System Programming

School of Applied Mathematics - Fall 2023

Code	Course
MAT1409	Mathematical foundations of the theory of machine learning and forecasting
MAT 1319	Programming on Python
MAT1325	Programming on Python II
MAT1225	Elements of Computability Theory
CSCI3213	Programming Language Theory
MAT1237	Calculus of Complex Variable
MAT1223	Ordinary differential equations
MATH2110	Differential Equations (ΦИТ)
MAT1215	Discrete Mathematics and Mathematical Logic
CSCI1102	Discrete Structures
MAT1203	Differential Equations. Matlab
MAT1208	Equations of Mathematical Physics
MAT1227	Mathematical modeling of chemical processes
MAT1204	Classical boundary value problems numerical methods. Matlab.
MAT1226	Mathematical Modeling in Economics
MAT1318	Numerical methods for MCM
MAT1323	Web Programming
MAT 1307	Optimization and management
MAT1238	Linear Algebra and Analytical Geometry
MAT1412	Fundamentals of risk management
MAT1411	Mathematical Engineering in Economics I
MAT1414	Mathematical Methods for Financial and Project Analysis
MAT1303	Introduction to parallel programming
MATH2110	Differential Equations (SITE)
MAT 1213	Calculus III (SAM)
MATH 1101	Calculus I
CSCI1102	Discrete Structures
MAT 1319	Programming on Python
MAT1215	Discrete Mathematics and Mathematical Logic
MATH1203	Linear Algebra for Engineers

School of Energy and Petroleum Industry - Fall 2023

Code	Course
PET1306	Well testing
PET1231	Pipeline Transportation of Oil and Gas (APEC)
PET 1306	Well Test Analysis (APEC)
PET1302	Petroleum technology
PET1303	Petroleum Well Workover
PET1340	Well control
FUN1203	Descriptive geometry and Engineering graphics
PET1240	Finite element method in engineering
PET1201	Theoretical and Applied Mechanics
PET1367	Anticorrosion Defence of Oil and Gas Equipment
PET1313	Gathering and Preparation Well Production
PET1205	General Hydraulics
PET1302	Petroleum technology
PET1223	Reservoir Engineering of gas and gas condensate fields
PET 1213	Exploitation of oil and gas fields
PET1309	Design of wells
GEO1318	Reservoir Simulation
PET 1312	Enhanced Oil Recovery Methods (APEC)
PET1344	Well Stimulation (APEC)
PET1238	Fluid mechanics in petroleum engineering
PET1206	Introduction to petroleum engineering
PET1266	Thermodynamics and heat engineering

School of Geology - Fall 2023

Code	Course
PET1105	Basics of Life Safety
GEO1311	Computer Interpretation of Geophysical Data
GEO1101	Ecology and Sustainable Development
PET1104	Health and Safety
GEO1203	Mineralogy With the Basics of Crystallography and Petrography
GEO 1210	Fundamentals of paleontology and General stratigraphy
GEO1229	Oil and gas bearing sedimentary basins of Kazakhstan, the CIS and the World
GEO1306	Geodynamics and geotectonics
GEO1302	Geology of Mineral Deposits
GEO1325	Mineral resources estimation methods
GEO1202	Physical Geology
GEO1312	Sedimentology of sedimentary basins
GEO1310.	Complexation geophysical methods (self-study)
GEO1331	Field geology and GIS oil and gas fields
GEO1305	Fundamentals of well logging
GEO1216	Gravity Surveying
GEO1219	Petrophysics

School of Chemical Engineering - Fall 2023

Code	Course
CHE1216	Basic Processes & Units in Chemical Engineering I (Mass Transfer & Its Application)
CHE1305	Chemical Engineering Laboratory
CHE1201	Inorganic Chemistry
CHE1303	Chemical Engineering of Organics
CHE1212	Chemistry of Oil & Gas
CHE1345	Rheology of oil dispersed systems
CHE1202	Organic Chemistry I
CHE1205	Physical Chemistry I
CHE1219	Physical and Chemical Methods of Analysis
CHE1322	Non-Associated and Associated Gases, Methods of their Purification and Refining
CHE1345	Rheology of oil dispersed systems
CHE1101	Enterprises' equipments and Basics of Designing
CHE1301	Technology of Polymer Production and Processing I
CHE1212	Chemistry of Oil & Gas
CHE1202	Organic Chemistry I
CHE1301	Technology of Polymer Production and Processing I

School of Materials Science and Green Technology - Fall 2023

Code	Course
FUN1221	Introduction to Speciality
FUN1211	Optics, vibrations and waves
FUN1219	Physical and mechanical properties of materials and methods for their determination

International School of Economics (Dual Diploma with University of London)

Fall 2023

Code	Course
ISE1330	Business analytics, applied modelling and prediction 1
ISE1221	Elements of Econometrics 1
ISE1301	Principles of Banking and Finance I
ISE1323	Statistical Methods for Market Research 1
ISE1303	Corporate Finance 1
ISE1339	Industrial Economics 1
ISE1217	Statistics I
ISE1211	Introductory Statistics I
ISE1306	Abstract Mathematics I
ISE1321	Machine Learning 1
ISE1201	Microeconomics 1
ISE1103	English Language I
LAN1107a	Introduction to IELTS
ISE1330	Business analytics, applied modelling and prediction 1
ISE1202	Macroeconomics 1
ISE1337	Programming for Data Science 1
ISE1318	Capital markets and Asset pricing 1
ISE1231	Advanced statistics: distribution theory
ISE1316	Quantitative Finance I
ISE1207	Introduction to Economics: Microeconomic Theory
ISE1219	Algebra 1
ISE1326	Further Linear Algebra I
ISE1213	Introductory Calculus I
ISE1205	Mathematics I
ISE1215	Calculus I
ISE 1231	Further Calculus 1
ISE1233	Optimization Theory
ISE1217	Statistics I
ISE1209	Principles of Microeconomics

Maritime Academy - Fall 2023

Code	Course
KMA1325	Cargo Planning, Handling, Securing
KMA1310	Fleet Management, Human Resources & Intercultural Management
KMA 1331	Stability & Trim, Transversal, Longitudal & Damage Stability & Docking
KMA1344	Terrestrial Navigation 3
KMA1229	Ship Handling & Maneuvering 1
KMA1329	Ship Handling & Maneuvering 2
KMA1314	Electronic Navigation 1
KMA1201	Maritime Law
KMA1330	Radar Navigation Operational Level & Simulator Bridge & GMDSS
KMA1316	Celestial Navigation
KMA1311	Dynamic Transverse Stability and Longitudinal Stability
KMA1204	Intro to Navigation subjects
KMA1235	Cargo Handling, Stowage & Carriage 2
KMA1230	Ecology (Meteorology & Oceanology 1) (DO)
KMA1202	Ship construction-OL
KMA1355	Electro Technology 2
KMA1351	Marine Power Plant Steam 1
KMA1361	Marine Power Plant Steam 2
KMA1203	Intro to Engineering subjects
KMA1353	Maintenance & Repair 1
KMA 1362	Auxiliary Machinery 3
KMA1364	Marine Engineering Lab 1
KMA 1254	Watch Keeping Engineering Officers
KMA1352	Auxiliary Machinery 2
KMA1368	Maintenance Fault Finding & Repair
KMA1253	Thermodynamics 1

Code	Course
LAN1169	Turkish language
LAN1143.	English 1 - Advanced (C1)
LAN1142.	English 1 - Intermediate (B2)
LAN1185	English Advanced (C1)
LAN 1183	English Intermediate (B1)
LAN1184	English Upper-intermediate (B2)
LAN1115	General Kazakh language
LAN1183	English Intermediate (B1)
LAN1154	Academic Reading
HUM1127	Globalization and politics
LAN1166	Media Production
LAN1170	Volunteering activity services
LAN1167	World Literature
LAN 1159	Abay Studies
LAN1116	Academic Kazakh Language
LAN 1115	General Kazakh language (аһр)
LAN1141	English 1 - Intermediate (B1)
LAN1183	English Intermediate (B1)
LAN1140	English 1 - Pre-Intermediate (A2)
LAN1182	English Pre-Intermediate (A2)
LAN1184	English Upper-intermediate (B2)
LAN 1170	Volunteering activity services
HUM 1101	History of Kazakhstan (State examination) (кәз)
LAN1140	English 1 - Pre-Intermediate (A2)
LAN1182	English Pre-Intermediate (A2)
LAN1183	English Intermediate (B1)
HUM1102	Philosophy
HUM1122	Sociology and Politology
PHE102	Physical Education II
LAN1115	General Kazakh language
LAN1142	English 1 - Upper-Intermediate (B2)
PHE109	Physical Education I
LAN1118	Professional Kazakh Language (Рухани жаңғыру)
LAN1153	Cross Cultural Communication
HUM1123	Psychology and Culturology
LAN1119	Russian Language
FUN1201	Physics I
FUN1232	Physics II (ГРМПИ)
FUN1233	Physics II (ФИТ)
LAN1117	Business Kazakh language
LAN1109	Business Negotiations and Correspondence (B2)
LAN1185	English Advanced (C1)