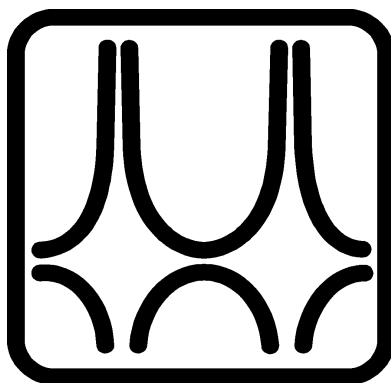




Budapest University of Technology and Economics

Timetable

**Study abroad and exchange students
Year 2021/22 - 2nd Semester**



Faculty of Civil Engineering

BSc-MSc course year 2021/22 2nd semester calendar

Edu week	even(#)/odd(+)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		7-Feb	8-Feb	9-Feb	10-Feb	11-Feb	12-Feb	13-Feb
-----Registration week-----								
1	+	14-Feb Study period start	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb
2	#	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb
3	+	28-Feb	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar
4	#	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar	12-Mar	13-Mar
5	+	14-Mar Holyday	15-Mar National holiday	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar
6	#	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar Workday (Monday)	27-Mar
7	+	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr
8	#	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr Vásárhelyi days	9-Apr	10-Apr
9	+	11-Apr	12-Apr	13-Apr	14-Apr Spring hoiliday	15-Apr Good Friday	16-Apr	17-Apr Easter
10	#	18-Apr Easter	19-Apr Spring hoiliday	20-Apr Spring hoiliday	21-Apr	22-Apr	23-Apr	24-Apr
11	+	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May Workers' Day
12	#	2-May	3-May	4-May	5-May	6-May	7-May	8-May
13	+	9-May	10-May	11-May	12-May	13-May	14-May	15-May
14	#	16-May	17-May	18-May	19-May	20-May Study period end	21-May	22-May
		23-May	24-May	25-May	26-May	27-May	28-May	29-May
-----Repeat week-----								
		30-May State Exam per. start	31-May	1-Jun	2-Jun	3-Jun	4-Jun	5-Jun
		6-Jun Exam per. start	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun	12-Jun Pentecost
		13-Jun Pentecost	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun	19-Jun
		20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun
		27-Jun Exam per. end	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul
						State Exam per. end		

The last examination day of the subjects taught by the Faculty of Civil Engineering in the BSc program is 1 July because of the Field courses.

Diligence period:

Repeat week:

Exam period:

Holiday:

CIVIL ENGINEERING BSC FROM 2017 - SPECIALIZATION IN STRUCTURAL ENGINEERING

Subject Name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester	Semesters								Preliminary Requirement(s)		
										1	2	3	4	5	6	7	8			
Core subjects																				
Surveying I.	BMEEOFAT41	3	1	2				M	1	X							-			
Chemistry of Construction Materials	BMEEOEMAT41	2	2					M	1	X							-			
Civil Engineering Representation and Drawing	BMEEOEMAT42	4	2	2				M	1	X							-			
Geology	BMEEOGMAT41	3	1	2				E	1	X							-			
Basis of Statics and Dynamics	BMEEOTMAT41	6	5	5				E	1	X							-			
Surveying II.	BMEEOFAT42	4	2	2				E	2		X						EOAFAT41	EOFTAT41		
Construction Materials I.	BMEEOEMAT43	5	2		2			E	2		X						EOEMAT41			
Civil Engineering Informatics	BMEEOFAT42	5	2	2				M	2		X									
Building Construction Study	BMEEOEMAT44	3	1	2				M	2		X						EOEMAT42			
Introduction to Strength of Materials	BMEEOTMAT42	6	5	5				M	2		X						EOTMAT41	TE90AX00~		
Hydraulics I.	BMEEOVVAT42	3	2	1				E	2		X						-			
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3			X					EOGMAT41	EOTMAT42		
Geoinformatics	BMEEOFAT43	3	2	1				M	3			X								
Basis of Design	BMEEOHSAT41	3	2					M	3			X					EOTMAT41			
Structural Analysis I.	BMEEOTMAT43	4	4					E	3			X					EOTMAT42	TE90AX00		
Railway Tracks	BMEEOUVAT41	3	3					E	3			X								
Basics of Environmental Engineering	BMEEOVKAT41	3	2					M	3			X					-			
Public Works I.	BMEEOVKAT42	3	2	1				E	3			X					EOVVAT42			
Hydrology I.	BMEEOVVAT41	3	2	1				M	3			X					-			
Earthworks	BMEEOGMAT43	3	2	1				E	4				X				EOGMAT42			
Steel Structures	BMEEOHSAT42	3	3					M	4				X				EOTMAT42	EOEMAT43~	EOHSAT41	
Reinforced Concrete Structures	BMEEOHSAT43	3	3					M	4				X				EOTMAT42	EOEMAT43~	EOHSAT41	
Roads	BMEEOUVAT42	2	2					M	4				X				EOUVAT41			
Hydraulic Engineering, Water Manag.	BMEEOVVAT43	3	2	1				E	4				X				EOVVAT41	EOVVAT42		
Foundation Engineering	BMEEOGMAT45	4	3					E	5					X			EOGMAT43			
Construction Management	BMEEPEKAT41	3	2	1				M	6						X		EOEMAT44	EOGMAT42		
Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X	-			
Branch Subjects																				
Building Construction I.	BMEEOEMAS42	3	1	2				E	4				X				EOEMAT44			
Timber Structures	BMEEOHSAS44	3	2					M	4				X				EOTMAT42	EOHSAT41		
Strength of Materials	BMEEOTMAS41	3	2					E	4				X				EOTMAT43			
Construction Materials II.	BMEEOEMAS41	3	1		2			E	5					X			EOEMAT43			
Building Construction II.	BMEEOEMAS43	3	1	2				E	5					X			EOEMAS42			
Steel and Composite Structures	BMEEOHSAS47	4	3					M	5				X				EOHSAT42	EOHSAT43		
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5				X				EOHSAT43	EOEMAS42		
Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5				X				EOHSAT42	EOHSAT43		
Structural Analysis II.	BMEEOTMAS42	4	3	1				M	5				X				EOTMAS41	TE90AX07		
Rock Mechanics	BMEEOGMAS41	3	1	1				M	6					X			EOGMAT41			
Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1				M	6					X			EOGMAT45			
3D Constructional Modelling of Structures	BMEEOHSAS45	3	2					M	6					X			EOHSAT42	EOHSAT43		
Design of Structures Projectwork	BMEEODHAS41	6				2		M	6					X			EOHSAS47	EOHSAS42	EOGMAT45	
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7						X					
Dynamics of Structures	BMEEOTMAS43	3	2					M	7							X	EOTMAT43	TE90AX02		
Specialization in Structural Engineering																				
Steel Buildings	BMEEOHSAS-A1	5	3	1				E	6						X		EOHSAS47			
Reinforced Concrete Buildings	BMEEOHSAS-A2	5	3	1				E	6						X		EOHSAS42	EOHSAS44		
Building Construction Methodology	BMEEOEMA-A1	2	1	1				E	7						X		EOEMAS43			
Engineering Works	BMEEOHSAS-B3	3	2					E	7						X		EOHSAT43	EOHSAS43	EOGMAS42	
Structural Design Projectwork	BMEEOHSAS-PP	6				2		M	7						X		EOHSAS41	EOHSAS-A1	EOHSAS-A2	
Preparatory Course for BSc Thesis Project	BMEEODHA-PT	9						M	8							X	EOHSAS-PP			

CIVIL ENGINEERING BSC FROM 2019 - SPECIALIZATION IN INFRASTRUCTURE ENGINEERING

Subject name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester	semesters								Preliminary requirement(s)
										1	2	3	4	5	6	7	8	
Core subjects																		
Surveying I.	BMEEOFAT41	3	1	2				M	1	X								
Chemistry of Construction Materials	BMEEOEMAT41	2	2					M	1	X								
Civil Engineering Representation and Drawing	BMEEOEMAT42	4	2	2				M	1	X								
Geology	BMEEOGMAT41	3	1	2				E	1	X								
Basis of Statics and Dynamics	BMEEOTMAT41	6		5				E	1	X								
Surveying II.	BMEEOAFAT42	4	2	2				E	2		X						EOAFAT41	EOFTAT41
Construction Materials I.	BMEEOEMAT43	5	2		2			E	2		X						EOEMAT41	
Civil Engineering Informatics	BMEEOFTAT42	5	2	2				M	2		X							
Building Construction Study	BMEEOEMAT44	3	1	2				M	2		X						EOEMAT42	
Introduction to Strength of Materials	BMEEOTMAT42	6		5				M	2		X						EOTMAT41	TE90AX00~
Hydraulics I.	BMEEOVVAT42	3	2	1				E	2		X						-	
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3			X					EOGMAT41	EOTMAT42
Geoinformatics	BMEEOFTAT43	3	2	1				M	3			X						
Basis of Design	BMEEOHSAT41	3	2					M	3			X					EOTMAT41	
Structural Analysis I.	BMEEOTMAT43	4	4					E	3			X					EOTMAT42	TE90AX00
Railway Tracks	BMEEOUVAT41	3	3					E	3			X						
Basics of Environmental Engineering	BMEEOVKAT41	3	2					M	3			X					-	
Public Works I.	BMEEOVKAT42	3	2	1				E	3			X					EOVVAT42	
Hydrology I.	BMEEOVVAT41	3	2	1				M	3			X					-	
Earthworks	BMEEOGMAT43	3	2	1				E	4				X				EOGMAT42	
Steel Structures	BMEEOHSAT42	3	3					M	4				X				EOTMAT42	EOEMAT43~
Reinforced Concrete Structures	BMEEOHSAT43	3	3					M	4				X				EOTMAT42	EOEMAT43~
Roads	BMEEOUVAT42	2	2					M	4				X				EOUVAT41	
Hydraulic Engineering, Water Manag.	BMEEOVVAT43	3	2	1				E	4				X				EOVVAT41	EOVVAT42
Foundation Engineering	BMEEOGMAT45	4	3					E	5					X			EOGMAT43	
Construction Management	BMEEPEKAT41	3	2	1				M	6						X		EOEMAT44	EOGMAT42
Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X	-	
Branch Subjects																		
Infrastructure CAD Course	BMEEOUVAI45	1			2			M	4				X				EOUVAT41	EOFTAT41
Water Chemistry and Hydrobiology	BMEEOVKAI43	3	2		1			E	4				X				-	
* Legal Aspects of Water and Environment	BMEEOVKAI45	2	2					M	4				X				-	
Hydraulics 2	BMEEOVVAI42	3	2	1				E	4				X				EOVVAT42	

Cross semesters: EMAT44, EMAS42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, TMAS41, UVAT42, VVAT42, DHAS41, EKAT41

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semester).

A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.

2021/22 2nd Semester		BSc Civil Engineering 1st year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00			EN2 Surveying II. K.f27k	EN1 Constr. Mat. I. MM.L2 EN2 Constr. Mat. I. MM.L3 EN3 Constr. Mat. I. MM.L4 EN4 Constr. Mat. I. MM.P	EN5 Surveying II. K.f27k
10:15-12:00	EN2 B. Const. Study K.144 EN1 Basis of Stat.&Dyn. K.mf78	Hydraulics I. K.f10	Constr. Materials I. K.f88	Surveying II. K.f88	EN6 Surveying II. EN2 CE Informatics K.142a #Building Con. St. K.389
12:15-14:00	EN1 Intr.to Str. of M. K.373 EN2 Intr.to Str. of M. K.mf78	Civil Eng. Representation K.375 EN1 Basis of Stat.&Dyn. K.mf78	+EN1 Intr. to Str. K.mf78 #EN2 Intr. to Str. K.mf78 #EN1 Hydraulics I. K.371 +EN1 Hydraulics I. K.371	CE Informatics K.f88	EN3 CE Informatics K.142a EN4 CE Informatics K.142b #EN1 Basis of Stat.&Dyn. K.mf78
14:15-16:00	EN1 CE Informatics K.142a	EN1 Surveying II. K.f27b	EN1 B. Const. Study K.183	EN3/EN4 Surveying II. K.f27k / K.f27b	EN1 Intr. to Str. of M. K.373 EN2 Intr. to Str. of M. K.mf78
16:15-18:00		EN1 Civil Eng. Representation K.375			

2021/22 2nd Semester		BSc Civil Engineering 2nd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	EN1 Building Const.I. K.183	+ Steel Structures K.f12 #Reinf. Concr. Str. K.f12 K.f12	Reinf. Concrete Str. K.f12	Hydr. Eng. & Water Man. K.f88	EN1 Soil Mechanics K.374
10:15-12:00	Hydrology I K.f10	#Building Constr.I. +EN1 Earthworks +Building Constr.II.	+EN1 Hydr.Eng.&Water Man K.f10 +EN2 Hydr.Eng.&Water Man K.f10	Steel Structures	
12:15-14:00	+ Steel Structures K.f12	Structural Analysis I. K.mf78	Earthworks EA Soil Mechanics K.mf21	Timber Structures	
14:15-16:00	Roads K.f99 EN1 Building Const.II. K.144 Railway Tracks K.373 14:15-17:00	Basics of Env. Eng. K.371	+EN2 Earthworks #EN1 Public Works +EN1 Hydrology I.	Strength of Materials K.389	
16:15-18:00			Public Works I. K.mf31	Structural An. I. K.372	

2021/22 2nd Semester		BSc Branch of Structural Engineering 3rd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00		Reinf. Concr. Buildings EL111		+Reinf. Concr. Buildings EL111 #EN1 Reinf. Concr. Build. EL111	Underground Str. K.mf21
10:15-12:00	Bridges and Infrastr. K.f12	EN1 Design of Structures Projektwerk EL111	EN1 3D Constr. Mod. of Str. K.f12	+Steel Buildings EL111 #EN1 Steel Buildings EL111	#EN1 Underground Str. K.mf21
12:15-14:00	Steel and Composite Str. EL111	Steel Buildings EL111	Constr. Management K.f88 Engineering Works EL111		
14:15-16:00	+Steel and Comp.Str. K.mf78	+ Rock Mechanics K.mf21 #EN1 Rock Mechanics K.mf21		+N1 Constr. Management K.389 #EN2 Rock Mechanics K.136	
	EN1 Structural Design Projektwerk K.f12				

2021/22 2nd Semester		BSc Civil Engineering 1st year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00			EN2 Surveying II. K.f27k	EN1 Constr. Mat. I. MM.L2 EN2 Constr. Mat. I. MM.L3 EN3 Constr. Mat. I. MM.L4 EN4 Constr. Mat. I. MM.P	EN5 Surveying II. K.f27k EN2 CE Informatics K.142a
10:15-12:00	EN2 B. Const. Study K.144 EN1 Basis of Stat.&Dyn. K.mf78	Hydraulics I. K.f10	Constr. Materials I. K.f88	Surveying II. K.f88	EN6 Surveying II. K.f27k #Building Con. St. K.389
12:15-14:00	EN1 Intr.to Str. of M. K.373 EN2 Intr.to Str. of M. K.mf78	Civil Eng. Representation K.375 EN1 Basis of Stat.&Dyn. K.mf78	+EN1 Intr. to Str. K.mf78 #EN2 Intr. to Str. K.mf78 #EN1 Hydraulics I. K.371 +EN1 Hydraulics I. K.371	CE Informatics K.f88	EN3 CE Informatics K.142a EN4 CE Informatics K.142b #EN1 Basis of Stat.&Dyn. K.mf78
14:15-16:00	EN1 CE Informatics K.142a	EN1 Surveying II. K.f27b	EN1 B. Const. Study K.183	EN3/EN4 Surveying II. K.f27k / K.f27b	EN1 Intr. to Str. of M. K.373 EN2 Intr. to Str. of M. K.mf78
16:15-18:00		EN1 Civil Eng. Representation K.375			

2021/22 2nd Semester		BSc Civil Engineering, Infrastructural Engineering 2nd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00		+ Steel Structures K.f12 #Reinf. Concr. Str. K.f12 K.f12	Reinf. Concrete Str. K.f12	Hydr. Eng. & Water Man. K.f88	EN1 Soil Mechanics K.374
10:15-12:00	Hydrology I K.f10	+EN1 Earthworks #EN1 Hydraulics 2 K.f10	+EN1Hydr.Eng.&Water Man K.f10 #EN2Hydr.Eng.&Water Man K.f10	Steel Structures	Hydraulics 2 K.f88
12:15-14:00	+ Steel Structures K.f12	Structural Analysis I. K.mf78	Earthworks EA Soil Mechanics K.mf21	Legal Aspects of Water and Environment EA K.mf31	01 Hydraulics 2 K.f88
14:15-16:00	Roads K.f99 Railway Tracks K.373	Basics of Env. Eng. K.371	+EN2 Earthworks #EN1 Public Works +EN1 Hydrology I.	Water Chem. & Hydrob. EA K.mf31	Water Chem. & Hydrob. EN1 laboratory
16:15-18:00	14:15-17:00	EN1 Infrastr. CAD Course EN2 Infrastr. CAD Course	Public Works I. K.mf31	Structural An. I. K.372	14-18 2 * 4 hours laboratory

Civil Engineering	Structural Engineering	Infrastructural Engineering	Cross semesters
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		Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects										
	Methods of Engineering Analysis	BMEEOHSMK51	3	1	1				M	1
	Numerical Methods	BMEEOFTMK51	4			3			M	1
	Geodynamics	BMEEOGMMS51	3	2					M	2
	FEM for Civil Engineers	BMEEOTMMS51	5	2	2				E	1
	Soil-Structure Interaction	BMEEOGMMS52	5	3	1				M	1
	Structures 1	BMEEOHSMS51	5	3	1				E	1
Specialization in Numerical Modeling										
Obligatory Subjects										
	Numerical modeling project	BMEEOTMMS5P	5				2		M	2
	Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
	Stability of Structures	BMEEOHSMT-2	4	2	1				E	2
	Nonlinear Mechanics	BMEEOTMMN-2	4	2	1				E	1
	Elective Subjects		11							
	Diploma Project	BMEEODHMN-D	20						M	3
Recommended Elective Subjects										
	Plasticity	BMEEOTMMN61	3	1	1				M	2
	Nonlinear FEM	BMEEOTMMN62	3	2					M	2
	Analysis of Rods and Frames	BMEEOTMMN63	3	1	1				M	2
	Discrete Element Method	BMEEOTMMN64	3	1	1				M	2
Specialization in Structures										
Obligatory Subjects										
	Structures project	BMEEOHSMS5P	5				2		M	2
	Structures 2	BMEEOHSMT-1	4	2	1				E	2
	Stability of Structures	BMEEOHSMT-2	4	2	1				E	2
	Seismic Design	BMEEOHSMT-3	4	2	1				M	2
	Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
	Elective Subjects		7							
	Diploma Project	BMEEODHMT-D	20						M	3
Recommended Elective Subjects										
	Applied Fracture Mechanics	BMEEOHSMT61	4	2	1				M	2
	Prestressing Technologies	BMEEOHSMT62	3	1	1				M	2
	Strengthening of Structures	BMEEOHSMT63	3	1	1				M	2
Specialization in Geotechnics and Geology										
Obligatory Subjects										
	Geotechnics and engineering geology project	BMEEOGMMS5P	5				2		F	2
	Engineering Geology MSc	BMEEOGMMG-1	4	2	1				V	2
	Environmental Geology	BMEEOGMMG-2	4	2	1				F	1
	Geotechnical Design	BMEEOGMMG-3	4	2	1				F	2
	Earthworks of Infrastructures	BMEEOGMMG-4	4	2	1				F	2
	Elective Subjects		7							
	Diploma Project	BMEEODHMG-D	20						F	3
Recommended Elective Subjects										
	Tunneling	BMEEOGMMG61	3	2					F	2
	Hydrogeology	BMEEOGMMG62	3	2					F	2
	Numerical Methods of Geotechnics	BMEEOGMMG63	3	1		1			F	1
	Engineering Geology of Hungary	BMEEOGMMG64	3	2					F	2

Infrastructural Engineering Program

FROM 2021

		Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects										
Methods of Engineering Analysis	BMEEOHSMK51	3	1	1					M	1
Numerical Methods	BMEEOFTMK51	4			3				M	1
Database Systems	BMEEOFTMI51	3		2					M	2
Environmental systems	BMEEOVKMI51	4	3						E	1
Ecology	BMEEOVKMI52	3	2						M	1
Engineering works of infrastructure	BMEEOHSMI51	3	2						E	2
Dewatering	BMEEOVKMI53	3	2						M	2
Specialization in Highway and Railway Engineering										
Obligatory Subjects										
Transport strategic planning	BMEEOUVMU-1	4	2	1					M	1
Railway Station Design	BMEEOUVMU-2	4	2	1					E	2
infrastructure Management Systems	BMEEOUVMU-3	3	2						E	2
Project Management in Transportation	BMEEOUVMU-4	2	2						M	1
Elective Subjects		17								
Diploma Project	BMEEODHMU-D	20							M	3
Recommended Elective Subjects										
Transportation Modeling	BMEEOUVMU61	2	2						M	1
Railway Operation	BMEEOUVMU62	2	2						M	1
Pavement Structures	BMEEOUVMU63	5	4						E	2
Railway Track Structures	BMEEOUVMU64	4	2						E	1
Intelligent Transportation Systems	BMEEOFTMF61	3	1	1					M	2
Transport economics	BMEEOUVMU65	3	2						M	2
CAD Software in Road and Rail Design	BMEEOUVMU66	3	3						M	1
Specialization in Water and Hydro-Environmental Engineering										
Obligatory Subjects										
Water and wastewater treatment II.	BMEEOVKMV-1	4	3						E	1
Water quality monitoring	BMEEOVKMV-2	2	2						M	1
Modelling of Hydrosystems	BMEEOVVMV-1	4	2	1					E	1
Hydromorphology	BMEEOVVMV-2	4	2				3		E	2
Elective Subjects		16								
Diploma Project	BMEEODHMF-D	20							M	3
Recommended Elective Subjects										
Design of Water-Use Structures	BMEEOVVMV61	4	2	1					M	2
Design of Water Damage Prevention Structures	BMEEOVVMV62	4	2	1					M	1
Groundwater	BMEEOVVMV63	3	2						M	2
Hydrography and Hydroinformatics	BMEEOVVMV64	5	2	2					M	2
Water and wastewater treatment plants	BMEEOVKMV61	3	2	1					M	2
Water quality management	BMEEOVKMV62	2	1	1					M	2
Public water utility systems modelling	BMEEOVKMV63	4	2	1					M	2
Reconstruction of public water utility systems	BMEEOVKMV64	3	2						M	1

Land Surveying and Geoinformatics Program

FROM 2021

		Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects										
	Methods of Engineering Analysis	BMEEOHSMK51	3	1	1				M	1
	Numerical Methods	BMEEOFTMK51	4			3			M	1
	Geophysics	BMEEOAFMF51	3	2					M	1
	Land Management	BMEEOAFMF52	3	2					M	1
	Adjustment calculations (MSc)	BMEEOAFMF53	4	2	1				E	1
	Digital Earth	BMEEOFTMF51	5	2	1				E	1
Specialization in Land Surveying and Geoinformatics										
Obligatory Subjects										
	GNSS Theory and Applications	BMEEOAFMF-1	5	2	1				E	2
	Information Technologies	BMEEOFTMF-1	5	1	2				M	1
	Automated Surveying	BMEEOAFMF-2	5	1	2				E	2
	Applied Geoinformatics	BMEEOFTMF-2	5	1	2				M	2
	Mapping Technologies	BMEEOFTMF-3	5	1	2				E	2
	Recommended elective subjects		8	3	2					
	Diploma project	BMEEODHMF-D	20							3
Recommended Elective Subjects										
	Physical Geodesy and Gravimetry	BMEEOAFMF61	4	2	1				M	1
	Geodetic Networks and Projections	BMEEOAFMF62	3	2					E	2
	Intelligent Transportation Systems	BMEEOFTMF61	3	1	1				M	2
	ITS Geoinformatics	BMEEOFTMF62	2				2		M	2

2021/22 2nd Semester		MSc Specialization in Structural Engineering Fall Semester				
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Stability of Structures BMEEOHSMT-2 EA	Seismic Design BMEEOHSMT-3 EA	Strengthening of Str. BMEEOHSMT63 EN1 Strengthening of Str	EN1 Numerical Methods	*+Meth. of Eng. Analysis BMEEOHSMT51 EA, K.f12 #EN1 Meth. of Eng. An.	
9:15-10:00						
10:15-11:00	EN1 Stability of Str.	EN1 Seismic Design	EN1 Structures Project BMEEOHSMT5P	Plasticity BMEEOTMMN61 EA, K.mf78	Prestressing Tech. BMEEOHSMT62, K.f12 EN1 Prestressing Tech.	
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA	Nonlinear FEM BMEEOTMMN62 EA	EN2 Numerical Methods	EN1 Plasticity	#EN1 Numerical Meth.	
12:15-13:00				Geodynamics BMEEOGMMS52 EA	Structures II. BMEEOHSMT-1 EA	#EN2 Numerical Meth.
13:15-14:00	EN1 Structural Dynamics					
14:15-15:00	Applied Fracture Mech. BMEEOHSMT61 EA			EN1 Structures II.		
15:15-16:00				An. of Rods&Frames BMEEOTMMN63		
16:15-17:00	01 Appl. Fracture Mech.			EN1 An.of Rods&Frames		
17:15-18:00				Discrete Element Meth. BMEEOTMMN64 EA		
18:00-19:00				EN1 Discrete Methods		

2021/22 2nd Semester		MSc Specialization in Numerical Modelling Fall Semester				
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Stability of Structures BMEEOHSMT-2 EA	Seismic Design BMEEOHSMT-3 EA	Strengthening of Str. BMEEOHSMT63 EA, K.389 EN1 Strengthening of Str	EN1 Numerical Mod. Pr. BMEEOTMMS5P K.mf78	*+Meth. of Eng. Analysis BMEEOHSMT51 EA, K.f12 #EN1 Meth. of Eng. An.	
9:15-10:00						
10:15-11:00	EN1 Stability of Structures	EN1 Seismic Design	EN2 Numerical Meth.	EN1 Numerical Methods	Prestressing Tech. BMEEOHSMT62, K.f12 EN1 Prestressing Tech.	
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA	Nonlinear FEM BMEEOTMMN62 EA	Geodynamics BMEEOGMMS52 EA K.389	EN1 Plasticity	#EN1 Numerical Meth.	
12:15-13:00				EN1 Structural Dynamics	Structures II. BMEEOHSMT-1 EA	#EN2 Numerical Meth.
13:15-14:00						
14:15-15:00	Applied Fracture Mech. BMEEOHSMT61 EA			EN1 Structures II.		
15:15-16:00				An. of Rods&Frames BMEEOTMMN63		
16:15-17:00	01 Appl. Fracture Mech.			EN1 An.of Rods&Frames		
17:15-18:00				Discrete Element Meth. BMEEOTMMN64 EA		
18:00-19:00				EN1 Discrete Methods		

2021/22 2nd Semester		MSc Specialization in Geotechnics and Geology Fall Semester				
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Eng. Geology MSc BMEEOGMMG-1 EA		Hydrogeology BMEEOGMMG62 EA	EN1 Numerical Methods	*+Meth. of Eng. Analysis BMEEOHSMT51 EA, K.f12 #EN1 Meth. of Eng. An.	
9:15-10:00						
10:15-11:00	EN1 Eng. Geology MSc		EN2 Numerical Meth.		#EN1 Numerical Meth.	
11:15-12:00	Earthworks of Infrastr. BMEEOGMMG-4 EA	Eng. Geology of HU BMEEOGMMG64 EA	Geodynamics BMEEOGMMS51 EA	EN1 Geotech. projekt BMEEOGMMS5P	#EN2 Numerical Meth.	
12:15-13:00						EN1 Earthw. of Infrastr.
13:15-14:00						
14:15-15:00	Tunneling BMEEOGMMG61 EA			Geotechnical Design BMEEOGMMG-3 EA		
15:15-16:00				EN1 Geotech. Design		
16:15-17:00				Discrete Element Meth. BMEEOTMMN64		
17:15-18:00				EN1 Discrete Methods		

Core Subjects	Structural Engineering	Numerical Modelling	Geotechnics&Geology	Electiv
		Cross Semester		

2021/22 2nd Semester		MSc Specialization in Highway and Railway Engineering Power Plants Fall Semester			
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-9:00		Intelligent Transp. Syst. BMEEOFTMF61 EA	EN3 Database Systems	EN1 Numerical Methods	
9:15-10:00	Railway Station Design BMEEOUVMU-2 EA	EN1 Intellig. Transp.Syst.			
10:15-11:00		Transport economics BMEEOUVMU65 EA	EN2 Numerical Methods		#EN1 Numerical Meth.
11:15-12:00	01 Railway Station Design.				
12:15-13:00	Dewatering BMEEOVKMI53 EA K.mf79	infrastr. Manag. Syst. BMEEOUVMU-3 EA			#EN2 Numerical Meth.
13:15-14:00					
14:15-15:00	Engin. works of infrastr. BMEEOHSMI51 EA K.mf79				
15:15-16:00					
16:15-17:00					
17:15-18:00					

2021/22 2nd Semester		MSc Specialization in Water and Hydro-Environmental Engineering Fall Semester			
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-9:00	Groundwater BMEEOVVMV63 EA	Pub. water ut.Syst.Mod. BMEEOVKMV63 EA	EN3 Database Systems	EN1 Numerical Methods Hydrogr. & Hydroinf. BMEEOVVMV64 EA	Desg.of Water-Use Str. BMEEOVVMV61 EA K.371
9:15-10:00					
10:15-11:00	Water quality manag. BMEEOVKMV62 EA	EN1 Pub. water ut.Syst.Mod	EN2 Numerical Methods	EN1 Hydrogr. & Hydroinf.	EN1 Desg.of W.Use Str.
11:15-12:00	EN1 Water quality manag.	Water&wastw.Treat.plan. BMEEOVKMV61 EA			#EN1 Numerical Meth.
12:15-13:00	Dewatering BMEEOVKMI53 EA K.mf79			Hydromorphology BMEEOVVMV-2 EA	#EN2 Numerical Meth.
13:15-14:00		Water&wastw.Treat.plan. EN1			
14:15-15:00	Engin. works of infrastr. BMEEOHSMI51 EA K.mf79				
15:15-16:00					
16:15-17:00					
17:15-18:00					

2021/22 2nd Semester		MSc Specialization in Land Surveying and Geoinformatics Fall Semester			
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-9:00	GNSS Theory & App. BMEEOAFMF-1 EA K.f27a	Intelligent Transp. Syst. BMEEOFTMF61 EA		EN1 Numerical Methods	
9:15-10:00		EN1 Intellig. Transp.Syst.			
10:15-11:00	+EN1 GNSS Theory&App. K.f27a	EN1 ITS Geoinformatics K.142b	EN2 Numerical Methods	EN1 Automated Surveying K.f27c	#EN1 Numerical Meth.
11:15-12:00					
12:15-13:00		Applied Geoinformatics BMEEOFTMF-2		#Automated Surveying BMEEOAFMF-2 EA K.f27c	#EN2 Numerical Meth.
13:15-14:00		EN1 Applied Geoinfor. K.142b			
14:15-15:00					
15:15-16:00		Mapping Technologies BMEEOFTMF-3			
16:15-17:00		EN1 Mapping Techn. K.142b			
17:15-18:00					

Designations:

Core Subjects	Infrastructural Eng.	Highway and Railway Engineering
Land Surveying and Geoinformatics		Water and Hydro-Environmental Engineering