# Orientation meeting 2018 fall

Tamas Lovas

- Vice dean for education
- Course director
- Erasmus departmental coordinator

#### New course director from 2018 fall

Dr. Oliver Fenyvesi <u>fenyvesi.oliver@epito.bme.hu</u> Room K.I.85/9.



## BME Faculty of Civil Engineering

- Pre-engineering 1 year
- BSc 4 year
- Pre-MSc 0.5-1 year
- MSc 1.5 year
- Stipendium Hungaricum students
- Regular students
- Erasmus students
- Other exchange students

## Pre-Engineering

- 1st semester
  - Basic Mathematics I.
  - Basic Informatics
  - Engineering Sciences
  - Technical Drawing
  - Compulsory English for Pre-Eng. Students I.
- 2nd semester
  - Basic Mathematics II.
  - Basic Mechanics
  - Basic Surveying
  - Basic Hydraulics
  - Fundamental of Structures
  - Compulsory English for Pre-Eng. Students II.

#### BSc

- 3 specializations
  - Structural engineering
  - Infrastructure engineering
  - Geoinformatics engineering
- First branch/specialization courses to be selected: 2019 spring
  - If interested, indicate it until Sep 14, 2018 via email (lovas.tamas@epito.bme.hu)
- Technical internship
- Diploma project

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Subject Name	Code	edit	scture	minar	boratory	onsultatio	ie	/re/s	mester		2				4			Dealimit	nary Require	umantie)
	Code	10	19	3		Ũ	ő	2	X	1	4	2	4	2	0	1	0	Preama	ary sequire	menus
Core subjects	BMEGT63A3E1									E V		_	_	_		_				
Compulsory English 1.	BMEEOAFAT41	4		4	-	-		M	1	X		-	-	-	-	-			-	-
Surveying L Chemistry of Construction Materials	BMEEOEMAT41	3	1	2	-	-		M	1	X	+	-	-	-	-	-				
Civil Engineering Representation and Drawing	BMEEOEMAT41 BMEEOEMAT42	4	2	-				M	1	X		-	-	-		-		-	-	
	BMEEOEMAT42 BMEEOFTAT41	2	2	2	-	-		M	1	-	H	-	-	-	-	-			-	-
CAD for Civil Engineers	BMEEOFTAT41 BMEEOGMAT41	3		2	-	-		E	1	X	H	-	-	-	-	-			-	
Geology Basis of Statics and Dynamics	BMEEOGMAT41 BMEEOTMAT41	6	1	5	-	-		E	1	X	H	-	-	-	-	-				
Mathematics A1a - Calculus	BMETE90AX00	6	4	2				E	1	x		-		-		-			-	-
Physics for Civil Engineers	BMETEI1AX13	2	2	-	-	-		M	1	X		-	-	-	-	-			-	-
Compulsory English 2.	BMEGT63A3E2	4	4	4	-	-		M	2	^	x	-	-	-	-	-			-	
Surveying II.	BMEEOAFAT42	4	2	2				E	2		x	-	-	-	-	-		EOAFAT41	EOFTAT41	
Construction Materials L	BMEEOEMAT43	5	2	-	2			E	2		x		-	-		-		EOEMAT41	EUFIAIAI	-
Ovil Engineering Informatics	BMEEOFTAT42	5	2	2	-			M	2		x	-	-	-	-	-		EOFTAT41	-	V
Building Construction Study	BMEEOEMAT44	3	1	2	-			M	2		x	-	-	-	-	-		EOFMAT41	-	
Introduction to Strength of Materials	BMEEOEMAT44	6	-	5				M	2		x	-	-	-	-	-		EOEMIAT42	TE90AX00~	-
Hydraulics I.	BMEEOVVAT42	3	2	1				E	2		x	-	-	-				EUTIMATA1	TESUKADO	
Mathematics A2a - Vector Functions	BMEEDVVA142 BMETE90AX02	6	4	2	-			E	2		X	-	-	-	-	-		TESOAXOO		
Surveying Field Course	BMEEQAFAT43	3	-	-	-	-	9	M	3		-	х	-	-	-	-	-	EOAFAT421~	-	
Soil Mechanics	BMEEOGMAT42	-	2	2	-	-	-	M	3			X	-	-	-	-	-		EOTMAT42	-
Geoinformatics	BMEEOGMA142 BMEEOFTAT43	3	2	1	-			M	3			X	-	-		-	-	EOGMA141 EOAFAT42		
Basis of Design	BMEEOHSAT41	3	2	-				M	3			X	-	-	-	-	-	EOTMAT41	-	-
stass or Design Structural Analysis L	BMEEOMSAT41 BMEEOTMAT43	4	4		-	-		E	3			X	-	-	-	-	-	EOTMAT41	TE90AX00	-
Railway Tracks	BMEEOUVAT41	3	3	-	-			Ē	3		H	x	-	-	-	-		EOAFAT41	TEROPANON	
Basics of Environmental Engineering	BMEEOVKAT41	3	2					M	3		-	x	-	-	-	-		LUPPPATH1		-
Public Works I.	BMEEOVKAT42	3	2	1				E	3		H	x	-	-	-	-		EOWAT42		-
Hydrology L	BMEEOVVAT41	3	2	1	-			M	3		$\vdash$	x	-	-	-	-		EUVVAI42	-	-
Mathematics A3 for Civil Engineers	BMETE90AX07	4	2	2				E	3		$\vdash$	X	-		-	-		TE90AX02	-	5
Earthworks	BMEEOGMAT43	3	2	1				E	4		+	^	x	-	-	-		EOGMAT42	-	-
Steel Structures	BMEEOGMAT43	3	3	*		-		M	4			-	X	-	-	-		EOGMAT42	EOEMAT43~	EOHSAT41
Reinforced Concrete Structures	BMEEOHSAT42 BMEEOHSAT43	3	3	-	-			M	4			-	X	-	-	-		EOTMAT42	EOEMAT43~	EOHSAT41
Reinforced Concrete Structures	BMEEOUVAT42	2	2					M	4			-	X	-	-			EOUVAT41	EUEMAT43	EDH3A141
Hydraulic Engineering, Water Manag.	BMEEOVVAT42 BMEEOVVAT43	3	2	1				E	4				X	-	-	-		EOWAT41	EOVVAT42	-
Construction Management	BMEEPEKAT41	3	2	1	-			M	4		$\vdash$	-	x	-	-	-		EQEMAT44	EOGMAT42	
Business Law	BMEGT55A001	2	2	-				M	4		$\vdash$	-	×	-	-	-		EVENNETHA	EQUINITITY2	-
Foundation Engineering	BMEEOGMAT45	4	3					£	5				-	x		-		EOGMAT43		2
Management and Enterprise	BMEEDGMAT45	4	4					M	5			-	-	x		-		EUGMA143	-	-
Micro- and Macroeconomics	BMEGT20A001 BMEGT30A001	4	4	-	-	-		E	6			-	-	~	x	-				
Communication Skills for Civil Engineers	BMEGT60A6EO	2	4	2				M	6			-		-	X	-			-	
Urban and Regional Development	BMEEOUVAT43	3	2	-				M	7				-	-	^	x				-
Optional subjects	BMEEDUVATAS	4	4					M	7				-	-	-	x				-
Branch Subjects				_		_	_	141		_	_	_	_	-	_		_			
Building Construction I.	BMEEOEMA542	3	1	2				E	4				x					EOEMAT44		
Timber Structures	BMEEOHSAS44	3	2	-				M	4				X		-				EOEMAT43	EOHSAT41
Strength of Materials	BMEEOTMAS41	3	2		-			E	4			-	X	-	-	-		EOTMAT43	E-SERVITES	CONTRACTOR .
Construction Materials II.	BMEEOEMAS41	3	1	-	2			E	5		H		~	х	-	-		EQEMAT43		
Building Construction II.	BMEEOEMAS43	3	1	2	-			E	5		H	-	-	X	-	-		EOEMAS42	EOHSAT41	2
Steel and Composite Structures	BMEEOHSAS41	4	2	_				M	5			-	-	X		-		EOHSAT42	EOHSAT43	-
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5		H	-	-	x	-	-		EOHSAT42	EOEMAS42	EOTMAT43
Bridges and Infrastructures	BMEEOHSAS43	3	2		-	-		E	5		H	-	-	X	-	-		EOHSAT42	EOHSAT43	EUTWIAT-5
Testing of Structures and Materials	BMEEOHSAS46	2	~		4			M	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	EOGMAT42	-
Underground Structures, Deep Found.	BMEEOGMAS41 BMEEOGMAS42	3	2	1	-	-		M	6					-	X	-		EOGMAT41	EUGMA142	
3D Constructional Modelling of Structures	BMEEOHSAS45	3	*	2				M	6					-	X	-			EOHSAT43	EOFTAT42
and the second	BMEEODHAS41	-		-		2		-	-				-	-	-	-		EOHSAS41	EOHSAS42	EOGMAT45
Design of Structures Projectwork Public Administration and Land Registry	BMEEOUWAS41 BMEEOUVAT44		2			-		M	6			-	-	-	^	x	-	GT55A001	CONSIGN2	LOGMA145
Field Course of Structural Geodesy	BMEEOUVA144 BMEEOAFAS42	1	-		2			M	7		$\vdash$		-	-	-	X	-	EOAFAT43	EOHSAT42	EOHSAT43
Dynamics of Structures	BMEEUAFAS42 BMEEOTMAS43		2	-	-			M	7			-	-	-	-	×	-	EOAFA143	TE90AX07	LonaA145
Technical Internship	BMEEODHAS43 BMEEODHAS42	0	4		-		20	S	7			-		-		X	-	EOHSAS41	EOHSAS42	EOGMAT45
A SAME OF A SAME AND A	Invite ODMAS42	10	_	_	_	_	20	3	/	_		_		_	_	A	_	CON54541	CONSAS42	EGGMA145
Specialization in Structural Engineering	DATE OFFICE AT							E	6	-	-	-		-		-		EOHSAS41		
Steel Buildings	BMEEOHSA-A1 BMEEOHSA-A2		3		-	-		E	6			-	-	-	×	-	-	EOHSAS41 EOHSAS42	CONSTRACT	
Reinforced Concrete Buildings	and the second se	5		1		-		E	7			-	-	-	×		-	EOHSAS42 EOEMAS43	EOHSAS44	
Building Construction Methodology	BMEEOEMA-A1 BMEEOHSA-B3	2	2	1	-	-		E	7			-	-	-	-	X	-	EOEMAS43 EOHSAT43	EOHSAS43	EOGMAS42
Engineering Works Structural Design Projectwork	BMEEOHSA-B3	5	-	-	-	2		M	7		$\vdash$	-	-	-	-	X	-	EOHSA143	EOHSAS43	EOGMAS42 EOHSA-A2
an where at mesilin confermions	Invite Courses the	10				1 4		IN I	1							A		LUUNA341	LONDA AL	LA*ALTURAL
Diploma Project	BMEEODHA-PD	24						м	8								X	EOHSA-PP		

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	Code	Credit	Lecture	Seminar	Laboratory	Conzultation	Day	M/E/S	Semester
Core Subjects					_	_	_	-	_
Advanced Mathematics	BMETE90MX33	3	2	1	_	_		E	1
Physics Laboratory	BMETE11MX22	1			1	_		М	2
Methods of Engineering Analysis	BMEEOHSMK51	3	1	1	2	_	_	M	1
Numerical Methods	BMEEOFTMK51	4	-		3	_		м	1
Geodynamics	BMEEOGMMS51	3	2	-		_		M	2
FEM for Civil Engineers Soil-Structure Interaction	BMEEOTMMS51	5	2	2	-	-		E	1
Structures 1	BMEEOGMMS52 BMEEOHSMS51	5	3	1	_	_		M	1
		5	3	1	_	-	-	-	1
Decision Supporting Methods Accounting, Controlling, Taxation	BMEEPEKMST4 BMEGT35M014	2	2	-	-	-		M	3
Corporate Finance	BMEGT35M014 BMEGT35M411	2	2	-		_		M	3
		2	2	-	-	-		M	3
Engineering Ethics	BMEGT41M004	-	- 2	-	-	-	-	IVI	3
Optional Subjects		5	_	-		_			-
Specialization in Numerical Modeling		-	_	_	_	_	_	_	
Obligatory Subjects	DATECTAL	-		-					
Numerical modeling project	BMEEOTMMS5P	5	-	_		2		М	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	DE LE CODULE DE D	11		_	_	_			-
Diploma Project	BMEEODHMN-D	20			_	_		м	3
Recommended Elective Subjects	DA IFF OTA IN INC.					_			-
Plasticity Nonlinear FEM	BMEEOTMMN61 BMEEOTMMN62	3	1	1	_	_		M	2
		3	2	-	_	_		м	2
Analysis of Rods and Frames	BMEEOTMMN63	3	1	1		_		М	2
Discrete Element Method	BMEEOTMMN64	3	1	1	_	_		М	2
Specialization in Structures		-	_	_	_	_	_	_	_
Obligatory Subjects						_			-
Structures project	BMEEOHSMS5P	5				2		М	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				м	2
Structural Dynamics	BMEEOTMMN-1	4	2	1		_		м	2
Elective Subjects		7	_	_		_			
Diploma Project	BMEEODHMT-D	20						м	3
Recommended Elective Subjects			_	_					
Applied Fracture Mechanics	BMEEOHSMT61	4	2	1		_	_	М	2
Prestressing Technologies	BMEEOHSMT62	3	1	1		_		М	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

#### Pre-MSc

#### • 1st semester

Foundation Engineering	BMEEOGMAT45	4
Steel and Composite Structures	BMEEOHSAS41	4
Laboratory Practice of Testing of Str. & Mat.	BMEEOHSAS46	2
RC and Masonry Structures	BMEEOHSAS42	4
Engineering Works	BMEEOHSA-B3	3
Structural Analysis II.	BMEEOTMAS42	4
Bridges and Infrastructures	BMEEOHSAS43	3
Design of Structures Projectwork	BMEEODHAS41	6
Total number of credits		30

#### • 2nd semester

Rock Mechanics BMEEOGMAS	41 3
Underground Structures, Deep Found. BMEEOGMAS	42 3
3D Constructional Modelling of Structures BMEEOHSAS4	5 3
Steel Buildings BMEEOHSA-A	1 5
Reinforced Concrete Buildings BMEEOHSA-A	2 5
Reinforced Concrete Bridges BMEEOHSA-B	2 4
Structural Design Projectwork BMEEOHSA-P	P 6
Total number of credits	29

#### • To be transferred to MSc after 1 semester:

- All credits
- At least 3.5 GPA
- 3 and higher grades for all courses
- To be transferred to MSc after 2 semesters (or 1 extended semester):
  - 2/3 of credits

#### MSc

- 3 specializations
  - Numerical modeling

Specialization in Numerical Mode	ling			
Obligatory subjects				
Structural Dynamics				
Stability of Structures				
Nonlinear Mechanics				
Diploma Project				
Recommended elective subjects				
Plasticity				
Nonlinear FEM				
Analysis of Rods and Frames	Specialization in Stru	ctures		
Discrete Element Method	Obligatory subjects			
	Structures 2			
	Stability of Structure	S		
	Seismic Design			
	Structural Dynamics			
	Diploma Project			
	Recommended elect	ive subjects		
	Applied Fracture Me	chanics		
	Prestressing Technol	ogies	Specialization in Geo	technics and Geology
	Strengthening of Stru	ictures	Obligatory subjects	

• Structures

• Geotechnics and Geology

Earthworks of Infrastructures Diploma Project Recommended elective subjects Tunneling Hydrogeology Numerical Methods in Geotechnics Engineering Geology of Hungary

Engineering Geology MSc

Environmental Geology Geotechnical Design

#### Communication – who should I contact?

- Lecturer-professor
  - Wrt course schedule, tests, retake/repeat, exam etc.
- Vice-dean/course director
  - Any specific educational issues; wrt educational progress, curricula, requests
- Dean's office
  - Only PhD
- Central Academic Office
  - Any administrative matters; Neptun issues, scholarship issues, accomodation/dormitory, scholarship extension etc.

#### Communication – etiquette

#### • Email

- Addressing
- All required data (e.g. Neptun code)
- Previous actions
- Respectful communication
- In person
  - Ask for appointment in advance
  - Contact lecturers in consultation hours
  - Respectful communication

#### General info

- Code of Studies and Exams (kth.bme.hu)
- Faculty of Civil Engineering curriculum (epito.bme.hu) (new BSc program)
- Education portal oktatas.epito.bme.hu
  - Support from lecturer/professor
  - Infosite
- Request regarding tuition fees should be only submitted through Neptun!

Academic honesty, sanctions against academic and exam offences

- Code of studies Title 32
- Checking identity at exams, tests
- Academic and exam offence
  - Using aids that are not allowed
  - Requesting/accepting any assistance from other students
  - Changing (or attemptimg to change) corrected/assessed tests/assignments
  - Acting in place of another person
- Failing the course (no credit)
- Professor Dean's office Disciplinary procedure

#### Repeat period – Dec 10-14

- Missed classes and some of the failed tests (should be discussed with lecturer) can be repeated.
- Part of tests can be repeated by paying extra fee. In this case the type of test (written/oral) might change!
- Homeworks and assignments can be submitted until Dec 14 by paying the extra fee.
- Ask the lecturer about the repeat options!
- Pre-exams of some subjects can also be taken in the repeat period.

#### Exam period: Dec 17 – Jan 22

- An exam can be repeated no more than 5 times (overall 6 exams/course).
- An exam can be cancelled without consequences a day before, until noon.

#### Subject enrolment I.

- Starts in January, and closes at the end of the registration week (February). It's highly recommended to be registered in the very beginning! Courses with less than 6 students will be cancelled on the registration week Monday!
- Clash detection in the schedule is the students' responsibility.
- Having the signature of a subject, its exam course can be taken, no need to attend the classes and do the tests again.
- In case of branch and specialization courses, the signature might be sufficient to fulfil the pre-requirement.
- Courses cannot be changed from the 2<sup>nd</sup> week of the semester.

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Subject Name	Code	edit	scture	minar	boratory	onsultatio	ie	/re/s	mester		2				4			Dealimit	nary Require	umantie)
	Code	10	19	3		Ũ	ő	2	X	1	4	2	4	2	0	1	0	Preama	ary sequire	menus
Core subjects	BMEGT63A3E1											_	_	_		_				
Compulsory English 1.	BMEEOAFAT41	4		4	-	-		M	1	X		-	-	-	-	-			-	-
Surveying L Chemistry of Construction Materials	BMEEOEMAT41	3	1	2	-	-		M	1	X	+	-	-	-	-	-				
Civil Engineering Representation and Drawing	BMEEOEMAT41 BMEEOEMAT42	4	2	-				M	1	X		-	-	-		-		-	-	
	BMEEOEMAT42 BMEEOFTAT41	2	2	2	-	-		M	1	-	H	-	-	-	-	-			-	-
CAD for Civil Engineers	BMEEOFTAT41 BMEEOGMAT41	3		2	-	-		E	1	X	H	-	-	-	-	-			-	
Geology Basis of Statics and Dynamics	BMEEOGMAT41 BMEEOTMAT41	6	1	5	-	-		E	1	X	H	-	-	-	-	-				
Mathematics A1a - Calculus	BMETE90AX00	6	4	2				E	1	x		-		-		-			-	-
Physics for Civil Engineers	BMETEI1AX13	2	2	-	-	-		M	1	X		-	-	-	-	-			-	-
Compulsory English 2.	BMEGT63A3E2	4	4	4	-	-		M	2	^	x	-	-	-	-	-			-	
Surveying II.	BMEEOAFAT42	4	2	2				E	2		x	-	-	-	-	-		EOAFAT41	EOFTAT41	
Construction Materials L	BMEEOEMAT43	5	2	-	2			E	2		x		-	-	-	-		EOEMAT41	EUFIAIAI	-
Ovil Engineering Informatics	BMEEOFTAT42	5	2	2	-			M	2		x	-	-	-	-	-		EOFTAT41	-	V
Building Construction Study	BMEEOEMAT44	3	1	2	-			M	2		x	-	-	-	-	-		EOFMAT41	-	
Introduction to Strength of Materials	BMEEOEMAT44	6	-	5				M	2		x	-	-	-	-	-		EOEMIAT42	TE90AX00~	-
Hydraulics I.	BMEEOVVAT42	3	2	1				E	2		x	-	-	-				EUTIMATA1	TESUKADO	
Mathematics A2a - Vector Functions	BMEEDVVA142 BMETE90AX02	6	4	2	-			E	2		X	-	-	-	-	-		TESOAXOO		
Surveying Field Course	BMEEQAFAT43	3	-	-	-	-	9	M	3		-	х	-	-	-	-	-	EOAFAT421~	-	
Soil Mechanics	BMEEOGMAT42	-	2	2	-	-	-	M	3			X	-	-	-	-	-		EOTMAT42	-
Geoinformatics	BMEEOGMA142 BMEEOFTAT43	3	2	1	-			M	3			X	-	-	-	-	-	EOGMA141 EOAFAT42		
Basis of Design	BMEEOHSAT41	3	2	-				M	3			X	-	-	-	-	-	EOTMAT41	-	-
stass or Design Structural Analysis L	BMEEOMSAT41 BMEEOTMAT43	4	4		-	-		E	3			X	-	-	-	-	-	EOTMAT41	TE90AX00	-
Railway Tracks	BMEEOUVAT41	3	3	-	-			Ē	3		H	x	-	-	-	-		EOAFAT41	TEROPANON	
Basics of Environmental Engineering	BMEEOVKAT41	3	2					M	3		-	x	-	-	-	-		LUPPPATH1		-
Public Works I.	BMEEOVKAT42	3	2	1				E	3		H	x	-	-	-	-		EOWAT42		-
Hydrology L	BMEEOVVAT41	3	2	1	-			M	3		$\vdash$	x	-	-	-	-		EUVVAI42	-	-
Mathematics A3 for Civil Engineers	BMETE90AX07	4	2	2				E	3		$\vdash$	X	-		-	-		TE90AX02	-	5
Earthworks	BMEEOGMAT43	3	2	1				E	4		+	^	x	-	-	-		EOGMAT42	-	-
Steel Structures	BMEEOGMAT43	3	3	*		-		M	4			-	X	-	-	-		EOGMAT42	EOEMAT43~	EOHSAT41
Reinforced Concrete Structures	BMEEOHSAT42 BMEEOHSAT43	3	3	-	-			M	4			-	X	-	-	-		EOTMAT42	EOEMAT43~	EOHSAT41
Reinforced Concrete Structures	BMEEOUVAT42	2	2					M	4			-	X	-	-			EOUVAT41	EUEMAT43	EDH3A141
Hydraulic Engineering, Water Manag.	BMEEOVVAT42 BMEEOVVAT43	3	2	1				E	4				X	-	-	-		EOWAT41	EOVVAT42	-
Construction Management	BMEEPEKAT41	3	2	1	-			M	4		$\vdash$	-	X	-	-	-		EQEMAT44	EOGMAT42	
Business Law	BMEGT55A001	2	2	-				M	4		$\vdash$	-	×	-	-	-		EVENNETHA	EQUINITITY2	-
Foundation Engineering	BMEEOGMAT45	4	3					£	5				-	x		-		EOGMAT43		2
Management and Enterprise	BMEEDGMAT45	4	4		-			M	5			-	-	x		-		EUGMA143	-	-
Micro- and Macroeconomics	BMEGT20A001 BMEGT30A001	4	4	-	-	-		E	6			-	-	~	x	-				
Communication Skills for Civil Engineers	BMEGT60A6EO	2	4	2				M	6			-		-	X	-			-	
Urban and Regional Development	BMEEOUVAT43	3	2	-				M	7				-	-	^	x				-
Optional subjects	BMEEDUVAINS	4	4					M	7				-	-	-	x				-
Branch Subjects				_	_	_	_	141		_	_	_	_	-	_		_			
Building Construction I.	BMEEOEMA542	3	1	2				E	4				x					EOEMAT44		
Timber Structures	BMEEOHSAS44	3	2	-				M	4				X		-				EOEMAT43	EOHSAT41
Strength of Materials	BMEEOTMAS41	3	2		-			E	4			-	X	-	-	-		EOTMAT43	E-DERIVET 43	CONTRACTOR .
Construction Materials II.	BMEEOEMAS41	3	1	-	2			E	5		H		~	х	-	-		EQEMAT43		
Building Construction II.	BMEEOEMAS43	3	1	2	-			E	5		H	-	-	X	-	-		EOEMAS42	EOHSAT41	2
Steel and Composite Structures	BMEEOHSAS41	4	2	_				M	5			-	-	X		-		EOHSAT42	EOHSAT43	-
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5		H	-	-	x	-	-		EOHSAT42	EOEMAS42	EOTMAT43
Bridges and Infrastructures	BMEEOHSAS43	3	2		-	-		E	5		H	-	-	X	-	-		EOHSAT42	EOHSAT43	EUTWIAT-5
Testing of Structures and Materials	BMEEOHSAS46	2	~		4			M	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	EOGMAT42	-
Underground Structures, Deep Found.	BMEEOGMAS41 BMEEOGMAS42	3	2	1	-	-		M	6					-	X	-		EOGMAT41	EUGMA142	
3D Constructional Modelling of Structures	BMEEOHSAS45	3	*	2				M	6					-	X	-			EOHSAT43	EOFTAT42
and the second	BMEEODHAS41	-		-		2		-	-				-	-	-	-		EOHSAS41	EOHSAS42	EOGMAT45
Design of Structures Projectwork Public Administration and Land Registry	BMEEOUWAS41 BMEEOUVAT44		2			-		M	6			-	-	-	^	x	-	GT55A001	CONSIGN2	LOGMA145
Field Course of Structural Geodesy	BMEEOUVA144 BMEEOAFAS42	1	-		2			M	7		$\vdash$		-	-	-	x	-	EOAFAT43	EOHSAT42	EOHSAT43
Dynamics of Structures	BMEEUAFAS42 BMEEOTMAS43		2	-	-			M	7			-	-	-	-	×	-	EOAFA143	TE90AX07	LonaA145
Technical Internship	BMEEODHAS43 BMEEODHAS42	0	4		-		20	S	7			-		-		X	-	EOHSAS41	EOHSAS42	EOGMAT45
A SAME OF A SAME AND A	Invite ODMAS42	10	_	_	_	_	20	3	/	_		_		_	_	A	_	CON54541	CONSAS42	EGGMA145
Specialization in Structural Engineering	DATE OFFICE AS							E	6	-	-	-		-		-		EOHSAS41		
Steel Buildings	BMEEOHSA-A1 BMEEOHSA-A2		3		-	-		E	6			-	-	-	×	-	-	EOHSAS41 EOHSAS42	CONSTRACT	
Reinforced Concrete Buildings	and the second se	5		1		-		E	7			-	-	-	×		-	EOHSAS42 EOEMAS43	EOHSAS44	
Building Construction Methodology	BMEEOEMA-A1 BMEEOHSA-B3	2	2	1	-	-		E	7			-	-	-	-	X	-	EOEMAS43 EOHSAT43	EOHSAS43	EOGMAS42
Engineering Works Structural Design Projectwork	BMEEOHSA-B3	5	-	-	-	2		M	7		$\vdash$	-	-	-	-	X	-	EOHSA143	EOHSAS43 EOHSA-A1	EOGMAS42 EOHSA-A2
an where at mesilin confermions	Invite Courses to	10				1 4		IN I	1							A		LUUNA341	LONDA AL	LA*ALTURAL
Diploma Project	BMEEODHA-PD	24						м	8								X	EOHSA-PP		

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	Code	Credit	Lecture	Seminar	Laboratory	Conzultation	Day	M/E/S	Semester
Core Subjects					_	_	_	-	_
Advanced Mathematics	BMETE90MX33	3	2	1	_	_		E	1
Physics Laboratory	BMETE11MX22	1			1	_		М	2
Methods of Engineering Analysis	BMEEOHSMK51	3	1	1	2	_	_	M	1
Numerical Methods	BMEEOFTMK51	4	-		3	_		м	1
Geodynamics	BMEEOGMMS51	3	2	-		_		M	2
FEM for Civil Engineers Soil-Structure Interaction	BMEEOTMMS51	5	2	2	-	-		E	1
Structures 1	BMEEOGMMS52 BMEEOHSMS51	5	3	1	_	_		M	1
		5	3	1	_	-	-	-	1
Decision Supporting Methods Accounting, Controlling, Taxation	BMEEPEKMST4 BMEGT35M014	2	2	-	-	-		M	3
Corporate Finance	BMEGT35M014 BMEGT35M411	2	2	_		_		M	3
		2	2	-	-	-		M	3
Engineering Ethics	BMEGT41M004	-	- 2	-	-	-	-	IVI	3
Optional Subjects		5	_	-		_			-
Specialization in Numerical Modeling		-	_	_	_	_	_	_	
Obligatory Subjects	DESCOTESSO	-		-					
Numerical modeling project	BMEEOTMMS5P	5	-	_		2		М	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	DE LE CODULE DE D	11		_	_	_			-
Diploma Project	BMEEODHMN-D	20			_	_		м	3
Recommended Elective Subjects	DA IFF OTA IN INC.					_			-
Plasticity Nonlinear FEM	BMEEOTMMN61 BMEEOTMMN62	3	1	1	_	_		M	2
		3	2	-	_	_		м	2
Analysis of Rods and Frames	BMEEOTMMN63	3	1	1		_		М	2
Discrete Element Method	BMEEOTMMN64	3	1	1	_	_		М	2
Specialization in Structures		-	_	_	_	_	_	_	_
Obligatory Subjects						_			-
Structures project	BMEEOHSMS5P	5				2		М	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				м	2
Structural Dynamics	BMEEOTMMN-1	4	2	1		_		м	2
Elective Subjects		7	_	_		_			
Diploma Project	BMEEODHMT-D	20						м	3
Recommended Elective Subjects			_	_					
Applied Fracture Mechanics	BMEEOHSMT61	4	2	1		_	_	М	2
Prestressing Technologies	BMEEOHSMT62	3	1	1		_		М	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

#### Subject enrolment II.

- In case only 3-4 semesters are remaining, it's recommended to create a subject enrolment plan and check whether all subjects can be passed based on the pre-requisites and minimum requirements.
- Always check the updated timetable/schedule on the homepage!
- Optional subject: e.g. Reinforced concrete bridges (in the 6th semester) always check whether it runs, in advance!
- For optional course any BME course can be selected, but BSc students can select only BSc courses, MSc students only MSc courses

#### Tuition fee

- Tuition fee reduction is possible under 24 registered credits in a semester (by Neptun request).
- If justified, late payment or split payment can be requested (in Neptun), but the full fee should be transferred until the exam registration!
- In case of passive semester the transferred tuition fee can be validated in the next semester.
- No tuition fee reduction based on educational achievements from 2018 spring!

#### Practical training – technical internship

- Practical training accomplished at the home country can be approved based on certification that states the student worked at least 4 weeks (for BSc students starting in 2017 or later: 6 weeks), and the company works in the field of civil engineering construction.
- Positions at Hungarian companies can be applied, in this case BME issues document certifying the student status and the aim of the practical training course.
  - Infosite
- Laboratories and departments of the Faculty can also be asked whether there are a project to join for at least 4 weeks in the summer.
- Besides the certificate, a ~10 page report is to be submitted.

#### Accreditation, summer course etc.

- In the credit system credits from civil engineering programs can be accredited/approved.
- Course that are previously accepted by the BME professor of particular BME course can be approved. At least 75% thematic overlap and at least the same number of credits are required.

### Diploma project

- Supervisor should be found and contacted in the previous semester.
- One industrial supervisor is required (ask the BME supervisor for support)!
- Co-supervisors can be involved from other departments or even from abroad.
- BSc from 2018 spring
  - Preparatory course for BSc thesis project
  - Bachelor thesis project

## Diploma project – registration requirements

- BSc thesis
  - Min. 204 credits
  - All core subjects
  - Min. 39 credits of branch subjects
  - Min. 15 credits of specialisation subjects
  - Should be taken together with Preparatory Course for Bachelor thesis project
- MSc thesis
  - Min. 54 credits
  - Min. 29 credits of core subjects
  - Min. 8 credits of obligatory specialisation subjects

#### Recommendations

- Course registration
  - Do it in time!
  - Check clashing courses in schedule!
  - Support only for civil engineering courses and courses from CE curricula!
- Failing tests/exams
  - Contact the lecturers, professors in time, ask for consultation!
- Rules/regulations
  - Attending classes
  - Late arrival
- Use the Faculty Educational portal oktatas.epito.bme.hu
  - Supporting materials
  - Submitting home assignments
- Cheating/plagiarism is not tolerated at all!

#### Questions?