

# Orientation meeting 2018 fall

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Vice dean for education

Course director

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# New course director from 2018 fall

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# BME Faculty of Civil Engineering

- Pre-engineering – 1 year
  - BSc – 4 year
  - Pre-MSc – 0.5-1 year
  - MSc – 1.5 year
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- 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](mailto:lovas.tamas@epito.bme.hu))
- Technical internship
- Diploma project



# 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	BMEEOHSAS-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	BMEEOGMAS41	3
Underground Structures, Deep Found.	BMEEOGMAS42	3
3D Constructional Modelling of Structures	BMEEOHSAS45	3
Steel Buildings	BMEEOHSAS-A1	5
Reinforced Concrete Buildings	BMEEOHSAS-A2	5
Reinforced Concrete Bridges	BMEEOHSAS-B2	4
Structural Design Projectwork	BMEEOHSAS-PP	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
  - Structures
  - Geotechnics and Geology

## Specialization in Numerical Modeling

Obligatory subjects

Structural Dynamics

Stability of Structures

Nonlinear Mechanics

Diploma Project

Recommended elective subjects

Plasticity

Nonlinear FEM

Analysis of Rods and Frames

Discrete Element Method

## Specialization in Structures

Obligatory subjects

Structures 2

Stability of Structures

Seismic Design

Structural Dynamics

Diploma Project

Recommended elective subjects

Applied Fracture Mechanics

Prestressing Technologies

Strengthening of Structures

## Specialization in Geotechnics and Geology

Obligatory subjects

Engineering Geology MSc

Environmental Geology

Geotechnical Design

Earthworks of Infrastructures

Diploma Project

Recommended elective subjects

Tunneling

Hydrogeology

Numerical Methods in Geotechnics

Engineering Geology of Hungary



# 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](http://kth.bme.hu))
- Faculty of Civil Engineering - curriculum ([epito.bme.hu](http://epito.bme.hu)) (new BSc program)
- Education portal [oktatas.epito.bme.hu](http://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 attempting 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.





# 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](http://oktatas.epito.bme.hu)
  - Supporting materials
  - Submitting home assignments
- Cheating/plagiarism is not tolerated at all!

Questions?