

Building Construction Study (BMEEOEMAT44)

Topics and Schedule, 2024/2025. Semester II.

week	Wednesday classes at K183 from 14:15 to 16:00		Friday classes at K374 from 10:15 to 12:00		Performance evaluation (Exact dates and location indicated individually)
	Date	Topic	Date	Topic	
1.	12th February (Wednesday)	Lecture 01 Classification of building constructions. Load bearing wall-type buildings	14th February (Friday)	NO CLASS	Handing out HA1 (12th February, during the lecture)
2.	19th February (Wednesday)	GP 01 Introduction	21st February (Friday)	GP 02 Brick bonding	–
3.	26th February (Wednesday)	GP 03 Load bearing wall-type buildings	28th March (Friday)	NO CLASS	–
4.	5th March (Wednesday)	Consultation (HA1)	7th March (Friday)	Lecture 02 Frame-type (skeleton) buildings. Floor slabs, ring beams and balconies.	1st Control Test in Moodle (5th March, Wednesday, 6-7 PM)
5.	12th March (Wednesday)	GP 04 Frame-type buildings	14th March (Friday)	NO CLASS	Submission of HA1. Handing out HA2 (12th March, end of the seminar)
6.	19th March (Wednesday)	GP 05 Slabs	21st March (Friday)	Lecture 03 Flat roofs. Waterproofing.	Late submission of HA1 (19th March, end of the seminar)
7.	26th March (Wednesday)	GP 06 Flat roofs	28th March (Friday)	NO CLASS	–
8.	2nd April (Wednesday)	Consultation (HA2)	4th April (Friday)	NO CLASS (Vásárhelyi Days)	–
9.	9th April (Wednesday)	Lecture 04 Pitched roofs. Roof covers.	11th April (Friday)	NO CLASS	2nd Control Test in Moodle (9th April, Wednesday, 6-7 PM)
10.	16th April (Wednesday)	GP 07 Pitched roofs	18th April (Friday)	NO CLASS (Easter Friday)	Submission of HA2. Handing out HA3 (16th April, end of the seminar)
11.	23rd April (Wednesday)	NO CLASS (Easter Break)	25th April (Friday)	NO CLASS (Easter Break)	–
12.	30th April (Wednesday)	Mid-semester Test (MT) Consultation (HA3)	2nd May (Friday)	NO CLASS (Labour Day, national holiday)	2nd control test in Moodle Late submission of HA2 (30th April, 6-7 PM (CT) & 30th April, end of sem. (HA2))
13.	7th May (Wednesday)	GP 08 Roof coverings	9th May (Friday)	Lecture 05 Foundations. Stairs.	Retake of the Control Tests in Moodle (7th May, Wednesday, 6-7 PM)
14.	14th May (Wednesday)	Lecture 06 Introduction to building physics, energy perf., and building services. Facades and openings.	17th May (Saturday)	GP 09-10 Foundations & Openings	–
15.	21st May (Wednesday)	Consultation (HA3)	23rd May (Friday)	Retake of the mid-semester Test (MT) Consultation (HA3)	Submission of HA3 (23rd May, end of the seminar)
Late submission of HA3 and 2nd retake of the MT on the 30th May 2024 (Friday) at 12:00-14:00 (12-2 PM), location to be announced					

The next page provides a summary about the most important (and frequently asked) questions regarding the course. For a detailed and complete description, please refer to the course description on Moodle.

Budapest, 3rd February 2025

Balázs FÜRTÖN
lecturer and seminar instructor



Building Construction Study (BMEEOEMAT44)

General grading information, 2024/2025. Semester II.

Attendance is being checked at every class:

- **For the lectures:** by checking the students by name.
- **For the Guided Practice (GP) seminars:** by grading the submitted GP sheets (0 point will result in the student accounted as absent)

The drawings must be the students' own manual work (**no computer aided drawing is permitted in this course**).

Minimum requirements to get a final grade:

- obtaining at least a pass (**grade ≥ 2**) on the MT
- submitting, and obtaining at least a pass (**grade ≥ 2**) on **each** home assignments (**HA1, HA2, HA3**)
- submitting and obtaining at least a pass (**point > 0**) on each **GP sheet (GP 1-10)**.

Submitting a homework assignment or GP sheet does not automatically mean a pass.

Information on the Guided Practice sheets (GP)

- GP sheets must be submitted right after each seminar for performance evaluation.
- GP sheets are graded with either 1 point, 0.5 point or 0 point, based on the completeness of the sheet: receiving 0 point on a GP sheet means two things:
 1. **The student needs to redo the GP sheet** at home as if due to absence.
 2. **That seminar will be counted as absent** (a minimum attendance is checked during the semester: **if a student misses too many classes** (more than 30% of either the lectures or the seminars), **they will fail the subject**).
- In case of skipping/missing a seminar, the GP sheet must be submitted at the next seminar, based on the solution available on the Moodle (<http://edu.epito.bme.hu>) for grading. At the end of the semester all GP sheets needs to be handed in at a level sufficient to pass (at least 0.5 points for each) – if you received 0 point, that means that you need to do it again at a sufficient quality. **It is strongly advised to pay attention and work during the class to avoid the unnecessary extra workload.**

Information on the Homework Assignments (HA)

- **In the case of missing the late submission deadline, the HA won't be accepted and graded.**
- **HA assignments need to have a cover sheet** (folded A2), with the consultation sheet glued on the cover: if an assignment fails to meet these criteria, it won't be accepted.
- **Serious conceptual mistakes** (e.g. mismatching load-bearing direction compared to the assignment) **might result in instantaneously failing the HA assignment without further grading**: to prevent this, **consultation** about the home assignments (HA1, HA2, HA3) with the instructor **is strongly recommended**.

Information on the Control Tests (CT)

- Control tests will be held in Moodle, **outside of regular class hours** (Web: <http://edu.epito.bme.hu>)
- The questions are **testing the knowledge obtained from the lectures and guided practice seminars held up to that date**.

Information on the midterm test (MT)

- The mid-semester test (MT) will have **two parts: theory and drawings**. Theoretical questions test knowledge based on the lectures and practice seminars; the drawing will be a detail based on the GP sheets covered in the semester.
- **Individual practice at home** based on the solution GP sheets is necessary for a successful semester
- The parts cannot be performed separately, meaning that the **retakes can only happen as a whole test**.

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