



SEMESTER PROJECT **for Civil Engineering students within the subject: Construction Materials II.**

1. The aim of the project is to get the students acquainted to prepare an experts report regarding the technical failure of a construction material or structure from the material point of view. The target of the project is to prepare the students to be able to use the knowledge which is lectured within the subjects of Construction Materials I and II.

During the preparation of the project an “Experts Report” is to be accomplished about one technical problem of a dilapidated building or a degraded element of a structure with the content detailed under point 2. and to give proposal (an offer) for the repair possibilities, technologies and materials. The building or structure and the fault is to be chosen by the students themselves with the agreement of the laboratory instructor.

2. Structure of the project:

- a) Denomination and address of the building (on the front cover),
- b) Functional and short structural description,
- c) Detailed description of the chosen technical problem (material/structural failure) illustrated with photos or drawings and refer to them in the text,
- d) Proposal for possible material testing and the expected results of the tests,
- e) Proposal for repair also giving the material,
- f) Short summary
- g) Bibliography (at least three)

In the case of articles please give the author’s name, title, name of the journal, volume, issue, page number, ISSN/DOI number!

In the case of books please give the author’s name, title, name of the publisher, publish year, ISBN number!

In case of online references kindly, give the date of the download, and also the URL!

The study aids and other notes can not be considered as bibliography! In the text, please refer to the bibliography by numbering e.g. with brackets like here: [1]. In the bibliography it is forbidden to give the scientific or other titles (Dr., PhD, etc.)!

Sketches and/or pictures must be incorporated within the text with title and number.

The project must be the own work of the student and is to be at least 8-10 pages.

On the front cover the following minimum information is to be given:

- Name and Neptun code of student
- Name of laboratory instructor (consultant)
- Denomination and address of the structure
- Date, and signature of student.

Deadline of submission: 6. December 2024. Late submission deadline: **13. December 2024.** at 12:00. The result of the project weights 10% in the final mark, and at least 5% must be achieved. Budapest, 22. August 2024.

Dr. Olivér Fenyvesi
lecturer