

Project Laboratory, Course requirements

At both the BSc and MSc level, mandatory subjects in the curriculum include the subjects "Project Laboratory" (one for BSc students, two for MSc students). Each of these subjects requires that the student carry out individual project work under the supervision of a member of a department of the faculty. The student is expected to regularly meet and report his/her progress to the supervisor during the semester. The work includes the application of theoretical knowledge to specific problems, the individual and creative ways of problem solving and the precise, systematic and thorough documentation of the development process and the results of the verification and testing. At MSc level, the project realized can be distributed during the two semesters of the Project Laboratory subjects, but the end of each semester represents a major milestone.

Students are free to choose any topic. **Students are expected to contact their supervisor of choice before the start of the semester.** Supervisors will then decide whether to accept the student to the given project, and may assist the student in finding another topic.

The topics currently offered are available at the webpage of the Faculty:

<http://www.vik.bme.hu/page/1004/>

The student has to check the requirements of the selected topic (MSc/BSc, suggested specialization, etc.). If she/he meets the requirements, she/he should contact the supervisor by sending him an e-mail, and should agree on a date when they can meet and discuss any open questions. The student could have several discussions in parallel. Once the student has definitely chosen a topic and the supervisor has agreed to receive her/him on the project, the student has to inform the other contacted supervisors about the decision.

All students must have their project selection finalized by the end of the first week of classes.

The student has to register for the Project Laboratory subject in the Neptun system. **The subject code depends on the training programme, also on the department where the supervisor works.**

The table below lists the subject code frames:

Subject	Code Computer engineering	Code Electrical Engineering
BSc Project Laboratory	VIxxAL01	VIxxAL03
MSc Project Laboratory 1	VIxxML00	VIxxML02
MSc Project Laboratory 2	VIxxML01	VIxxML03

“xx” represent the department where the supervisor works. The below table shows the possible departmental codes. The actual subject codes are created by inserting **one of the departmental codes *instead of xx***:

“xx”	name of the department
AU	Department of Automation and Applied Informatics
ET	Department of Electronics Technology
EE	Department of Electron Devices
HI	Department of Networked Systems and Services
II	Department of Control Engineering and Information Technology
MI	Department of Measurement and Information Systems
SZ	Department of Computer Science and Information Theory
HV	Department of Broadband Infocommunications and Electromagnetic Theory
TM	Department of Telecommunications and Media Informatics
VE	Department of Electric Power Engineering

As there are 10 departments at the Faculty, there are 10 *different codes* for the *same* Project Laboratory *subject*. Students should **select** the subject with the **right departmental code** in Neptun.

If the student has registered for Project Laboratory under a wrong code and the semester has already started, she/he can't change the registered code. In this case, she/he should visit the Central Academic Office for assistance.

The amount of **individual work** expected from the student during the semester is **10 hours/week**.

Supervisors will specify detailed requirements for each project, but the following apply to all students:

- **Project work must be presented orally** in the presence of faculty members during the first week **after the study period**. Presentations must take no longer than 10 minutes (8 minutes of presentation, 2 minutes for questions). The quality of presentations will be taken into account by supervisors when determining the final grade.
- **Project work must be documented** by the student in a **written report** submitted electronically to his/her supervisor **by the end of the study period**. Requirements for each topic shall be determined by the given supervisor.

When preparing their report, **students should pay special attention to Title 32, Sections 92-93 of the BME Code of Studies** (quoted below).

Any content from external sources must be stated in the students' own words AND accompanied by citations. Copying and pasting from an external source should be avoided, and any text copied must be placed between quotation marks. Reports that violate these rules cannot receive a passing grade.

“Section 92

(1) The works of another person will be used as follows:

a) if a work of another person is used in whole or in part (e.g. by copying, citation, translation from another language or presentation), the source and the name of the author will be indicated if this name is included in the source or – in case of orally presented works – may be clearly identified;

b) the work of another person or any part of that will be used – up to a quantity reasonably corresponding to the nature and purpose of the student work – identified as quotations.

(2) Instructors are entitled to review compliance with requirements in this article with computer programmes and databases.

(3) The use of works of another person and the acknowledgement of use will be governed by applicable laws and the relevant rules of the specific discipline.

Section 93

(1) If a student fails to meet rules regarding use of works of another person in whole or in part, the student work will be considered as not assessable and the student will not be allowed to obtain the credit of the concerned subject in the specific term.

(2) It will be deemed a disciplinary offence if a student – in breach of the rules regarding use of works of another person – submits or presents a work of another person fully or in a significant part verbatim (word for word) or in terms of its basic concepts or the combined version of several works of another person(s) as their own work.

(3) Based on subsection (1) of Section 52/A. of the Higher Education Act, compliance with the rules regarding the use of works of another person in a master thesis may be reviewed up to five years following the issue of the degree certificate. In case of violation of the above rules, section 52/A of the Higher Education Act will apply.” (BME Code of Studies, p.50)