Specific Regulations for Recruitment for Study Visit to Universidad Politecnica de Madrid 2025
regarding the activities of the Faculty of Civil Engineering and Environmental Sciences of the Bialystok University of Technology

***Programme**: PROM - Short-term academic exchange - recruitment 2024*

***Project**: PROM – Short-term academic exchange*

***Project Number**: BPI/PRO/2024/1/00021*

§ 1
General information

The implementation of the activities of the PROM project at the Faculty of Civil Engineering and Environmental Sciences of Bialystok University of Technology (FoCEES BUT) will take place in accordance with the 'Regulations for organization, recruitment, participation and payment of scholarships and other forms of financial support under the PROM project' at Bialystok University of Technology and with the 'Faculty Regulations for Recruitment to the Project regarding the activities of the Faculty of Civil Engineering and Environmental Sciences of Bialystok University of Technology'.

§ 2
The scope and subject of support

1. The action concerns a study visit to Universidad Politecnica de Madrid (UPM), Spain.
2. Support under the action includes participation in a study visit of 8 students, 2 doctoral students and 2 members of academic staff with a minimum doctoral degree from FoCEES BUT on 31.03-4.04.2025 (plus 2 travel days).
3. The scope and subject of support concern the financing of costs related to participation in a study visit lasting 5 days and the costs of 2 travel days, of an international character.
4. The Project Participant receives financial support in accordance with § 7 of the 'Regulations for organization, recruitment and payment of scholarships and other forms of support under the PROM project'.

§ 3
Characteristics of the target group

Participants of the action can be:

a) students of the Faculty of Civil Engineering and Environmental Sciences of Bialystok University of Technology;
b) doctoral students at the Doctoral School of Bialystok University of Technology in the field of civil engineering, geodesy and transport;
c) academic teachers of the Faculty of Civil Engineering and Environmental Sciences of Bialystok University of Technology holding a minimum of PhD, Eng. degree;

§ 4
Criteria for qualifying participants for the Project

1. Condition for taking part in the recruitment procedure is to fill in the electronic APPLICATION FORM of the CANDIDATE FOR the PROJECT 'PROM – short-term academic exchange' available on the website of the FoEES BUT.

2. Criteria for qualifying students going on a study visit:
   a) Average grades from the last two semesters;
   b) Declaration of knowledge of English at the level of min. B1;
   c) Other activities, e.g. activities in a scientific association, scientific publications, prizes in scientific competitions, in particular in the field of the subject matter concerning the visit.
3. Criteria for qualifying students going on a study visit:
   a) Average overall grade;
   b) Scientific achievements, e.g. scientific publications, prizes in scientific competitions, in particular in the field of the subject matter concerning the visit.
   c) Doctoral theses on the subject concerning the visit
4. Criteria for qualifying academic teachers going on a study visit:
   a) Scientific achievements, in particular in the field of the subject matter concerning the visit
   b) Confirmed cooperation with UPM, in particular in the field of the subject matter concerning the visit.
5. The submitted application forms will be evaluated by the Faculty Recruitment Committee for the PROM project, composed of:
   a) Dorota Gawryluk, PhD, Eng. Arch. – chairwoman, PROM Faculty Expert
   b) Edyta Pawluczuk, DSc, PhD, Eng. – member, vice-dean for student affairs of the FoCEES BUT
   c) Karolina Sadowska, Eng. – member, representative of the Student Self-Government of Bialystok University of Technology

Schedule of activities

	Announcement of recruitment on the website of FoCEES BUT and IRO BUT
22.02.2025 – 26.02.2025	Submission of an electronic application form by the candidate
27.02.2025	Recruitment Committee Meeting
03.03.2025	Announcement of the list of persons qualified to participate in the study visit at UPM
07.03.2025	Announcement of the list of persons admitted to participate in the study visit at UPM and registration of participants on the platform
31.03-4.04.2025	Study visit
24.04.2025	Reporting
12.05.2025	Validation
19.05.2025	Issue of certificates

§ 5
Acquired competences and criteria for assessing the learning outcomes after the end of the support

1. Study visit on sustainable construction principles and innovative ways to use waste materials in concrete structures.

Students:

Competencies		
Knowledge	W1	Know the basic principles of the circular economy and their importance in construction.
	W2	Know the basic types of building materials and their properties.
	W3	Know the basic examples of the use of modern concrete materials in the infrastructure of Madrid
Skills	U1	Can indicate examples of recyclable building materials.

	U2	Can indicate the basic methods of modifying materials.
	U3	Can recognize the material technologies used in engineering structures and identify the main benefits of their use.
Social competencies	K1	The ability to work in a team in an international academic environment.
	K2	Development of communication skills and exchange of knowledge with experts.
	K3	Awareness of the importance of innovation and sustainable construction for the future of the industry.

Learning outcome	Verification criterion
W1, W2, W3	The participant knows the principles of the closed circuit, methods of reinforcing materials and the impact of innovation on the durability of concrete.
U1, U2, U3	The participant is able to recognize building materials, assess their durability using tests and use basic measurement tools
K1, K2, K3	The participant is able to work in an international team, communicate effectively and understand the importance of innovation in construction

Doctoral students:

Competencies		
Knowledge	W1	Are familiar with detailed methods of implementing circular economy in construction, including material recycling.
	W2	Are familiar with modern methods of material engineering, including composite materials.
	W3	Are familiar with the detailed design solutions used in Madrid for urban structures.
Skills	U1	Can indicate examples of recyclable building materials and describe general waste reduction strategies.
	U2	Are able to analyse the impact of various modifications on the properties of materials and interpret the results of laboratory tests.
	U3	Are able to analyse the impact of modern concretes on the durability and maintenance costs of infrastructure, assess the effectiveness of non-metallic reinforcement and compare the material properties of the technologies used.
Social competencies	K1	The ability to work in a team in an international academic environment.
	K2	Development of communication skills and exchange of knowledge with experts.
	K3	Awareness of the importance of innovation and sustainable construction for the future of the industry.

Learning outcome	Verification criterion
W1, W2, W3	The participant knows the principles of the closed circuit, methods of reinforcing materials and the impact of innovation on the durability of concrete.
U1, U2, U3	The participant is able to recognize building materials, assess their durability using tests and use basic measurement tools.
K1, K2, K3	The participant is able to work in an international team, communicate effectively and understand the importance of innovation in construction.

Academic teachers:

Competencies		
Knowledge	W1	Are familiar with advanced knowledge of circular economy models and their implementation in various areas of construction.

	W2	Advanced knowledge of the applicability of waste and demolition materials in concrete technology.
	W3	Awareness of the impact of innovative technologies on the durability and ecology of concrete structures.
Skills	U1	Are able to conduct research, implement innovative circular economy solutions in engineering projects and prepare expert opinions and guidelines for industry.
	U2	The use of advanced research methods to assess the durability of materials.
	U3	Using measurement tools used in material testing.
Social competencies	K1	The ability to work in a team in an international academic environment.
	K2	Development of communication skills and exchange of knowledge with experts.
	K3	Awareness of the importance of innovation and sustainable construction for the future of the industry.

Learning outcome	Verification criterion
W1, W2, W3	The participant knows the principles of the closed circuit, methods of reinforcing materials and the impact of innovation on the durability of concrete.
U1, U2, U3	The participant is able to recognize building materials, assess their durability using tests and use basic measurement tools.
K1, K2, K3	The participant is able to work in an international team, communicate effectively and understand the importance of innovation in construction.

§ 6
Methods of verifying the learning outcomes

1. After the visit to the host university, the Project Participant will prepare a report summarizing the results achieved, contacts made and other outcomes achieved.

2. Verification of learning outcomes of all participants will be carried out by the Faculty Evaluation Expert and will be based on the Competency Growth Charter (CGC), completed before and after the mobility, including the analysis of learning outcomes, in accordance with the relevant tables.

§ 7

Final provisions

The Regulations shall enter into force on the date of signature and shall be valid for the entire duration of the Project.