

## Material and Structural Integrity Aspects

### Objectives and description

The aim of the program is to familiarize students with the selected material and structural aspects – in particular describe material behaviour, methods of measurement of materials properties (including fracture and fatigue) and materials application on civil engineering area.

### Methods and outcomes

- Lectures of advanced teachers/experts, technical excursion and laboratories visit
- 3 ECTS credits

**Level of study:** Bc., MSc., Ph.D. students

### Virtual component description

Introduction: Brno City, Transport etc.; Brno University of Technology (BUT), Faculty of Civil Engineering (FCE); BIP thematic sessions, and goals for BIP and plan of on-stand part.

### Detailed schedule

#### Monday 22. 4. 2024

10:00 – Welcome Session – Introduction to BIP thematic sessions, BUT FCE Lecture Room C421  
12:00–13:30 – Lunch break  
13:30–15:00 – Lecture  
15:00–15:30 – Coffee Break  
15:30–17:00 – Lecture

#### Tuesday 23. 4. 2024

9:00–10:30 – Lecture  
10:30–11:00 – Coffee break  
11:00–12:30 – Lecture  
12:30–14:00 – Lunch break  
14:00–18:00 – Technical excursion Water Tanks under Žlutý kopec/Zlínstav, a. s.  
18:30–21:00 – Social meeting

#### Wednesday 24. 4. 2024

9:00–10:30 – Lecture  
10:30–11:00 – Coffee break  
11:00–12:30 – Lecture  
12:30–14:00 – Lunch break  
14:00–18:00 – Technical excursion Holedná lookout tower/Institute of Physics of Materials CAS – laboratories excursion

#### Thursday 25. 4. 2024

9:00–12:00 – AdMaS (Advanced Materials, Structures and Technologies) is a modern science centre and comprehensive civil engineering research institution, Purkyňova 139, Brno  
12:00–13:00 – Lunch break  
13:00–15:00 – Laboratories tour Faculty of Chemistry  
18:30–21:30 – Social meeting

## Friday 26. 4. 2024

9:00–12:00 – Lecture/roundabout table

12:00–12:15 – Wrap up

12:15–13:00 – Lunch break

### Student Dormitories

Student Dormitories from 33 EUR for double standard and 40 EUR for single standard, including breakfast and VAT.

Accommodation offer / promo code: **BIP FAST 2024**

City tax fee of 21 CZK/adult person/night is not included in the room rate.

Our dormitories are situated within easy travelling distance of the university buildings. The range of facilities offered varies, but most dormitories have areas for study and recreation, kitchen facilities, car parks and are a safe and friendly environment for you to live in. There are mostly double rooms in the dormitories. There are kitchens with cookers on each floor. If you want to use the free Internet in the dormitory, you should have your own PC/laptop. Near the dormitory there are grocery shops, a bus stop.

Here you can find more information: <https://www.kam.vutbr.cz/hp/en/index.aspx>

email: [recepce@hotel-palacky.cz](mailto:recepce@hotel-palacky.cz)

The great thing about Erasmus+ Blended Intensive Program (BIP), is that you receive a grant for travel and accommodation expenses of at least 79 EUR per day of real part of the programme. If you opt for a sustainable mode of transportation (for example, travelling by train the entire journey), you will receive at least 50 EUR extra.

Please consult your university International Cooperation Office representative for more information.

### Partners

- Slovak University of Technology in Bratislava
- TU Wien
- University of Warmia and Mazury in Olsztyn
- RPTU Kaiserslautern-Landau
- Wrocław University of Science and Technology
- University of Žilina
- Brno University of Technology

**BIP ID: 2022-1-CZ01-KA131-HED-000053776-1**

### Contact us:

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