

Pilot course programme

**„Building materials - properties, degradation, damage and
methods of repair and restoration“**

19 February 2025 (Wednesday) - seminar

09:00 - 10:30

Fundamentals of building physics with emphasis on moisture ingress in building structures

Ing. Karol Bayer

10:45 - 12:15

Stone degradation - manifestations, causes, solutions

MgA. Zuzana Auská

12:15 - 13:00

Lunch

13:00 - 14:30

Traditional building binders and materials (lime, gypsum, cements - production, properties and preparation of building materials)

Ing. Renata Tišlová, Ph.D.

14:45 - 15:30

Traditional vs. modern coating systems on historical buildings

Ing. Karol Bayer

Programme, 20 February 2025 (Thursday) - seminar

09:00 - 10:30

Wood as a material for building structures, examples of measures for long-term durability

Ing. Jiří Bláha, Ph.D.

10:45 - 12:15

Surveys - laboratory analytical methods and other test methods for determining the properties of (building) materials

Ing. Bc. Pavla Náhunková

12:15 - 13:00

Lunch

13:00 - 14:30

Negative influence of atmospheric conditions on selected metals and possibilities of their protection

Ing. Šárka Msallamová, Ph.D.

Programme, 21 February 2025 (Friday) - workshop and excursion

09:00 - 10:30

The origin of the artificial marble technique, its import and subsequent spread in our territory

MgA. Zdeněk Kovářík

10:45 - 12:15

Materials for the preparation of artificial marble

Ing. Renata Tišlová, Ph.D.

12:15 - 13:00

Lunch

13:00 - 13:45

Introduction to the restoration of artificial marbles, material specifics and alternative intervention options

MgA. Zdeněk Kovářík, BcA. Daniel Chadim

13:45 - 14:30

Demonstration of material accessories, introduction of techniques

BcA. Daniel Chadim

14:45 - 16:15

Excursion to the Church of the Exaltation of the Holy Cross, altars by Martin Hennevogel (brief excursion to the important three-generation marble family of Hennevogel)

MgA. Zdeněk Kovářík