



Short Intensive Course Agenda

„Sustainable Energy, Construction and Urban Resilience”

University of Tuzla

Faculty of Mining, Geology and Civil Engineering

October 9 – November 27, 2025

Day 1: October 9, 2025 (10:00 – 14:00)

Lecturer: **Prof.dr. Meri Cvetkovska**, Ss. Cyril and Methodius University in Skopje - Faculty of Civil Engineering

Lecture: **Energy Efficiency and Building Design**

- ✓ Design of Buildings with Passive House Standard
- ✓ Improving the Energy Efficiency of Existing Buildings (Nanomaterials and Aerogels)
- ✓ Application of Circular economy in Civil Engineering

Day 2: October 10, 2025 (08:00 – 11:00)

Lecturer: **Prof.dr. Meri Cvetkovska**, Ss. Cyril and Methodius University in Skopje - Faculty of Civil Engineering

Lecture: **Safety and Resilience in Construction**

- ✓ Fire Safety of Energy-Efficient Buildings
- ✓ Spatiotemporal Analysis of Fire Hazard Distribution
- ✓ Hazard Mapping and Risk Assessment – Building Fires

Day 3: November 1, 2025 (13:00 – 16:00)

Lecturer: **Prof.dr. Jelena Marković**, University of Tuzla - Faculty of Mining, Geology and Civil Engineering

Lecture: **Climate change mitigation and adaptation - Case Study**

- ✓ Introduction to Climate Change and SDGs
- ✓ Climate Change Adaptation and Low-Emission Development Strategy / National Adaptation Plan (NAP) BiH
- ✓ Perception of Climate Change in B&H - Case Study
- ✓ Business Sector and Public Institutions in the Implementation of Climate and Sustainable Actions in Bosnia And Herzegovina - Case Study



Day 4: November 5, 2025 (09:00-13:00 & 14:00-17:00)

Session 1 - 09:00-13:00

Lecturer: **PhD Elvir Ferhatbegović, RGGF / GAUSS Tuzla**

Lecture: **Urban Planning and Risk Assessment**

- ✓ Strategy for Sustainable Urban Development
- ✓ Risk Assessment for Land Use Planning
- ✓ Spatial planning for resilience to climate change

Session 2 – 14:00-17:00

Lecturer: **PhD Safer Demirović, RGGF / RMU Banovići**

Lecture: **Climate Change & Sectoral Impacts**

- ✓ Climate Change and Energy Sector
- ✓ Challenges of Decarbonization in Mining and Energy Sector

Day 5: November 27, 2025 (11:00 – 14:00)

Lecturer: „AZUR“ Sarajevo

Lecture: **Integrated Risk Framework**

- ✓ Risk Assessment –Vulnerability & Risk Estimation
- ✓ Risk Assessment –Present, Evaluate, and Treat Risk
- ✓ Social Resilience: Role of Insurance and Disaster Risk Management
- ✓ Crisis Management in relevant sectors