**Tomas Bata University Summer Schools 2022**

Tomas Bata University in Zlín is organising two-week courses for people all over the world. Participants can choose from variety of courses in different fields. All courses last from 8 to 19 August 2022, therefore participants can sign to one course only. Participants can also look forward to a rich program including fun activities, trips, excursions and more.

Here is a list of courses which are focused on current issues and modern trends in its fields:

1. Geographic Information Systems

2. Quantitative Tools for Qualified Managerial Decision Making

3. Processes of Risk Assessment and Treatment (online course)

4. Computer Viruses and Security

**Note:** Processes of risk assessment and treatment is the course which will be held ONLINE.

**1. Geographic Information Systems**

The lectures, practices, related teamwork, and discussions will focus on:

* Basics of Cartography and Geoinformatics
* Cartographic Visualization
* Principles of GIS, Use of Geographical and Ecological Data in GIS
* Fundamental Analysis in GIS and 3D Visualization, Creation of Thematic and Topographic Maps
* Fundamentals of Remote Sensing
* Introduction to Citizen Science and Participatory Mapping
* Field Mapping Project

Credits: All participants, who successfully complete the course, will receive 5 ECTS.

Tuition and fees: course, accommodation, breakfasts, and events are included

Payment deadlines:

* Early Bird: EUR 550; Deadline: 30 April 2022
* Regular: EUR 600; Deadline: 31 May 2022

**2. Quantitative Tools for Qualified Managerial Decision Making**

Subjects covered:

* Problem Solving and Quantitative Analysis for Decision Making, Model Development, Data Preparation, Model Solution, Report Generation, Implementation, Management Science Technique
* Linear Programming. Problem Formulation, Economical Model, Mathematical Model, Solution (Graphical, Software), Sensitivity Analysis and Interpretation of Solution. Linear Programming Applications (Marketing, Finance, Production Management, Transportation). Solution of LP Models – the Simplex Method, Distribution Method
* And more…

Credits: All participants, who successfully complete the course, will receive 5 ECTS.

Requirements: basics of mathematics, linear algebra, and statistics

Tuition and fees: course, accommodation, breakfasts, and events are included

Payment deadlines:

* Early Bird: EUR 620; Deadline: 30 April 2022
* Regular: EUR 670; Deadline: 31 May 2022

**3. Processes of Risk Assessment and Treatment (online course)**

The lectures, practices, related teamwork will focus on:

* Introduction to the Study of the Subject (an acquaintance of students with the structure of the subject, conditions for granting credit and the course of the exam) and Terminology of Risk Management
* Classification Aspects of Risks
* General Risk Management Scheme, Methods of Data Collection, and Interpretation
* Identification, a Compilation of the Register and Verbal Assessment of the Level of Threats and Endangered Assets
* Qualitative Risk Screening
* Basic Procedures, Principles and Methods of Risk Prevention, Mitigation and Monitoring
* Design and Selection of Measures to Prevent and Minimize Risks Using Inventive Methods

Credits: All participants, who successfully complete the course, will receive 7 ECTS.

Tuition and fees: online course only

Payment deadlines:

* Early Bird: EUR 200; Deadline: 30 April 2022
* Regular: EUR 220; Deadline: 31 May 2022

**4. Computer Viruses and Security**

Subjects covered in the course:

* Cybernetics Informatics
* Data Management
* Data Security
* Computer Security
* Penetration Testing

Requirements: Basics of the Linux Command Line

Credits: All participants, who successfully complete the course, will receive 3 ECTS.

Tuition and fees: course, accommodation, breakfasts, and events are included

Payment deadlines:

* Early Bird: EUR 520; Deadline: 30 April 2022
* Regular: EUR 570; Deadline: 31 May 2022

More information about TBU Summer Schools 2021 and Tomas Bata University in Zlín can be found in the following links.

<https://summerschools.utb.cz/>

<https://www.utb.cz/en/>

Contact: [summerschools@utb.cz](mailto:summerschools@utb.cz)