The Aristotle University Thessaloniki, GR

GTTC Continuing Education Course

ARMENIA

Course 1: «**Introduction to Geographic Information Systems**» by National University of Architecture and Construction of Armenia (NUACA) and Armenian State University of Economics (ASUE).

Course 2: «**Project Management (application in Tourism)**» by National University of Architecture and Construction of Armenia (NUACA)

GEORGIA

Course 1 & 2: «**Introduction into Application of Geoinformation Technologies to Cultural Heritage and Tourism Economics**» by Ilia State University (ISU) Institute of Economics and Business and School of Natural Sciences and Engineering Georgian Technical University (GTU), Department of Engineering Geodesy and Geoinformatics (DEGG) in cooperation with National Agency for Cultural Heritage Preservation (NACHPG) and GeoGraphic (GeoG).

ARMENIA

Course 1: «**Introduction to Geographic Information Systems**»

Dates and duration: June 18 – 22, 2018.

Where: NUACA.

Max-Min students: 20-10.

Short Description: The goals of this course are to teach basic GIS concepts such as spatial data sources and structures, projections and coordinate systems, data editing and creation, and geospatial analysis.

Lectures and Labs:

Lecture 1: Introduction, course overview, what is GIS.

Lab 1: ArcGIS basics, loading data, scales, navigation, online help.

Lecture 2: Cartographic principles and conventions.

Lab 2: Making map.

Lecture 3: Spatial data properties and structure.

Lab 3: Attribute query, joining and relating, projection.

Lecture 4: Spatial data management, geodatabase basics.

Lab 4: Create feature classes, vector data editing, geocoding.

Lecture 5: Vector based spatial analysis.

Lab 5: Location query, overlay and adjacency analyses.

Lecture 6: Raster based spatial analysis.

Lab 6: Map algebra, surface analysis, raster-vector conversion, geo-referencing.

Lecture 7: Spatial statistics and geo-statistics.

Course 2: «**Project Management (application in Tourism)**»

Dates and duration: 29.05.18 – 4.06.18.

Where: NUACA.

Max-Min students: 35-10

Short Description: Offers insight into main definitions of tourism, types of tourism projects and how the tourism projects are defined, evaluated, and ultimately translated into manageable project requirements and concrete deliverables. The focus of this short course will be on helping students understand the main principles and central components of tourism project concept development, select tools and processes appropriate to successful completion and defending of their tourism project concept paper.

Lectures and Labs:

Lecture 1: Introduction to the Course.

Lecture 2: Common introduction to the Tourism.

Lecture 3: How to define the tourists' preferences. Types of Tourism attractions and tourism components and motivations.

Lecture 4: How to develop the tourism project concept to ensure the meeting of assessment criteria.

Lecture 5: How to develop the tourism project concept to ensure the meeting of assessment criteria.

Lecture 6: Presenttions of Projects' concepts by students.

GEORGIA

Course 1 & 2: «**Introduction into Application of Geoinformation Technologies to Cultural Heritage and Tourism Economics**»

Dates and duration: March 08-12, 2019.

Where: ISU, GTU, DEGG, Selected CH site in Tbilisi (field work).

Max-Min students: 12-8

Short Description: Course will introduce users into the new geospatial instruments and software with applications in cultural heritage field: The most important aspects of tourism and the role of ICT, geospatial and big data in tourism economics, applications of GIS and RS technologies in the field of archaeology, 3D Laser Scanner equipment and its use for the measurement and documentation of cultural heritage structures, developing mobile and web mapping applications, basic functions of GIS.

Lectures:

ISU Lecture 1: Introduction into Tourism Economics (delivered by ISU Institute of Economics and Business).

ISU Lecture 2: Applying GIT in Archaeology (ISU Cultural Heritage and Environment Research Center).

GTU Lecture 1: 3D Laser Scanning Hardware & Software Application to Cultural Heritage (GTU, support NACHPG).

GTU Lecture 2: Mobile and Web Mapping for Cultural Heritage and Tourism Applications (GTU).

GTU Lecture 3: How to develop the tourism project concept to ensure the meeting of assessment criteria. Application of GIS in Cultural & Natural Heritage Management (GTU, support NACHPG/ISU/GeoG).

Module - Learning Outcomes:

ISU Module 1: Know definition of terms. Make characteristics of tourism. Explain advantages and disadvantages of tourism. Understand the nature of the tourism product. Analyse widespread impact of travel & tourism.

ISU Module 2: Basic understanding of GIS and RS concepts and functions, main topics of their application in case of archaeological studies.

GTU Module 1: Basic understanding of 3D lasers scanning technology, hardware specifications, related software functionalities (Point Cloud Processing, 3D Geovisualisation and Photogrammetry) and their application for a cultural heritage site.

GTU Module 2: Introduction into basic skills for creating mobile and web mapping applications with emphasis on relevance for cultural heritage and tourism sectors. Understand (i) how to create mobile mapping applications & (ii) how to create a dynamic styled web page with interactive map.

GTU Module 3: This module introduces students into the basic functions of GIS and application of this powerful instrument in cultural heritage management and cultural tourism fields.