The Aristotle University
Thessaloniki, GR

Overall structure of continuous education curriculum

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HERITAG Final Conference
Tbilisi (April 3, 2019)

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)

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)

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

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)

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**

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ARMENIA

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Lectures and Labs	
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
Lab 7:	Spatial dependency, clustering, fragmentation, interpolation
Lecture 8:	Data collection and data quality
Lab 8:	Creating Smart Tourism Map of Armenia

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ARMENIA

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

Dates and duration:	**29.05.18 – 4.06.18**
Where:	**NUACA**
Max-Min students:	**35-25**
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.**

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ARMENIA

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

by National University of Architecture and Construction of Armenia (NUACA)

Lectures	
Lecture 1:	Introduction to the Course
Lacture 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:	Presentations of Projects' concepts by students

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GEORGIA

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

by ISU, GTU, DEGG in cooperation with NACHPG, GeoG

Dates:	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.

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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:	Application of GIS in Cultural & Natural Heritage Management (GTU, support NACHPG/ISU/GeoG)

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GEORGIA

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

by ISU, GTU, DEGG in cooperation with NACHPG, 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.

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

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Module - Learning Outcomes	
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.