# Models of Land Resource Management (with Workshop – Treatment and Display of Data for Territorial Development – GIS)

## Prof. Guido Lucarno

***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The aim of the course is to provide knowledge of the basic concepts and tools necessary to study the geography of tourism. The course aims to provide in addition a methodology for the analysis and management of land resources, with particular reference to those which are considered tourist attractions.

At the end of the course, students will be able to identify and describe the distribution of tourist phenomena, explain their development, suggest and independently manage representative cartographic methodologies and techniques required for the investigation of the way in which these phenomena develop in relation to surrounding environmental conditions.

The course, offered by the Department of Economic and Social History and Geographical Sciences, aims to provide students with the key theoretical and practical skills they need to carry out research activities and develop the cultural and environmental heritage of specific territories.

***COURSE CONTENT***

The course lasts 30 hours and includes 20 hours of practical classes. It will discuss the following topics:

 Part One: Institutional part – geography of tourism.

1. Tourism as a geographical phenomenon
2. Forms of tourism: active and passive, proper and improper. Classifications and characteristics
3. Tourist circulation
4. Dynamic and structural aspects of tourism
5. The relationshipbetween tourism, environment and other productive activities
6. Statistical research and its cartographic and graphic representation
7. Tools and methods of analysis of the tourist region
8. Means of transport as a territorial resource in support of tourism

 Part Two. Monographic part

1. The analysis and design of a tourist region
2. Case study: tourism in the province of Verbania
3. Case study: tourism in the province of Brescia
4. The comparison of the two previous models of tourism: strengths and weaknesses
5. Tourism and transports: case studies

Practical classes.

*Geographic Information System*: a model of data base management and analysis resources according to tourism.

***READING LIST***

P. Innocenti, *Geografia del Turismo,* Rome, Carocci, 2007.

G. Lucarno, *Geografia e tecnica dei trasporti,* Milan, Vita e Pensiero, 2011 (The passages suggested in class only).

reading:

G. Lucarno, *Territorio, risorse e dinamiche turistiche nel Verbano-Cusio-Ossola,*Genua, Brigati, 2006 (This is no longer on the market and will be given out in class).

or,

G. Lucarno, *Atlante del Turismo in Provincia di Brescia,* Brescia, Grafo, 2009 ( This is no longer on the market and will be given out in class).

Course packs for the exercises will be available online.

The parts of the texts to be prepared for the exam will be detailed in class as well as via the Blackboard at the end of the course according to their actual study. Texts and materials will be made available in handout form as well as via the Blackboard. The latter will form an integral part of the reading list and the course programme as well as lecture notes taken in class. Students are advised to obtain a username and password to access the Blackboard platform and supplementary teaching materials.

Non-attending students (that is to say, students who attended less than 75% of classes) will have to study the following textbook:

L. Bagnoli, *Manuale di Geografia del turismo*, UTET, Turin, 2006, or following editions.

***TEACHING METHOD***

The course consists of lectures with slide projections.

***ASSESSMENT METHOD AND CRITERIA***

The exam consists of an oral interview on the subjects covered within the programme and a practical test on topics covered in the exercises. The final mark will result from the weighted average between the oral exam (70%) and the practical activities (30%). Assessment will be based on students’ general knowledge of the subject, their ability to handle and analyse tourist data and correlate it with the surrounding conditions, also with reference to case studies explored during lectures, and students’ ability to recognise the correlation between the cause and effect of tourist phenomena (regional or world geographic distribution and its causes). Students should also be able to explain the characteristics of the phenomenon being studied and its temporal development, as well as explain how this phenomenon can be described and interpreted cartographically.

***NOTES AND PREREQUISITES***

The course is for both Bachelor and Masters degree level students. It can not be repeated.

Further information can be found on the lecturer's webpage at http://docenti.unicatt.it/web/searchByName.do?language=ENG or on the Faculty notice board.

**Treatment and Display of Data for Territorial Development – GIS (Workshop)**

Dr Raffaela Gabriella Rizzo

***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The course aims to help students develop their ability to make and read maps, particularly those related to the tourism sector.

***COURSE CONTENT***

The course will be structured as follows:

1. The first part will be focused on Geographic Information Systems (GIS). In particular, it will explore the concepts of raster and vector data, and the key concepts related to GIS.
2. The second part – based on individual and group practical activities – will be focused on an open source GIS software (QGIS). In particular, students will discover how to process or create *ex novo* different types of geographical data, in order to plan and realise projects aimed to develop cultural tourism in specific locations.

***READING LIST***

* The QGIS User guide is available at the link: <https://www.qgis.org/it/docs/index.html>

In addition to the user guide mentioned above, non-attending students will have to:

* study the following textbook: Casagrande L., Cavallini P., Frigeri A. et al, *GIS open source. GRASS GIS, Quantum GIS e SpatialLite. Elementi di software libero applicato al territorio*, Dario Flaccovio ed., 2012, chapters: 1, 2, 3, 4, 5, 9, and 10
* create a GIS project on tourism (that must be previously approved by the lecturer).

***TEACHING METHOD***

Frontal lectures and practical activities guided by the lecturer.

***ASSESSMENT METHOD AND CRITERIA***

Students will be assessed on the presentation of their project.

***NOTES AND PREREQUISITES***

Further information can be found on the lecturer's webpage at http://docenti.unicatt.it/web/searchByName.do?language=ENG or on the Faculty notice board.