

## Educational programme

The main characteristic of this **Innovative Intensive Postgraduate Specialization Course** is the short duration aiming at offering to the attendees a top-edge dense and focused package of knowledge and implementation skill in Thematic Cartography. At the end of the Course the participants should be able to make decisions and construct their own project getting familiarity with relevant free and dedicated professional software.

One week of specially designed **theory** of Thematic Cartography, orientated to attendees coming from a broad spectrum of disciplines (e.g. architecture, planning, engineering, natural sciences, humanities, graphic design). Multi-choice test type of examination will conclude the first part.

One week of specially organized **implementation** aiming at getting the attendees proficiency about a chain of open-source freely available and user-friendly software applications (including Q-GIS, Indiemapper, ColorBrewer and relevant supporting and easily integrable applications); familiarity with potential professional software is also among the targets of practical work. In this implementation period an individual production project will be carried out and presented by the attendees (with not necessarily available knowledge in applying the used software –this is especially inviting for attendees from Humanities)

## Sponsor

The Course is sponsored by **OCAD AG** ([www.ocad.com](http://www.ocad.com)) which is providing a free license of the Thematic Cartography dedicated **new** cartographic application **OCAD 12 ThematicMapper**

## Academic team

The academics teaching in the course are professors and researchers experts in the field of Cartography:

Dr Caterina **Balletti**, University Iuav Venice  
Prof. Chrysoula **Boutoura**, Aristotle University Thessaloniki  
Prof. Georg **Gartner**, Technical University Vienna  
Prof. Francesco **Guerra**, University Iuav Venice  
Prof. Alexandra **Kousoulakou**, Aristotle University Thessaloniki  
Prof. Evangelos **Livieratos**, Aristotle University Thessaloniki  
Prof. Liqiu **Meng**, Technical University Munich  
Dr Angeliki **Tsorlini**, post-doc researcher, Swiss Federal Institute of Technology Zurich

## ICA Cartoheritage

The International Cartographic Association Commission on Cartographic Heritage into the Digital <http://cartography.web.auth.gr/ICA-Heritage> is supporting this post-graduate intensive specialisation course offering expertise and know-how.



## Contacts

For course issues: Dr Caterina Balletti [balletti@iuav.it](mailto:balletti@iuav.it)  
For administration issues (admission, fees, enrollment, etc.): [master@iuav.it](mailto:master@iuav.it)

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University Iuav of Venice

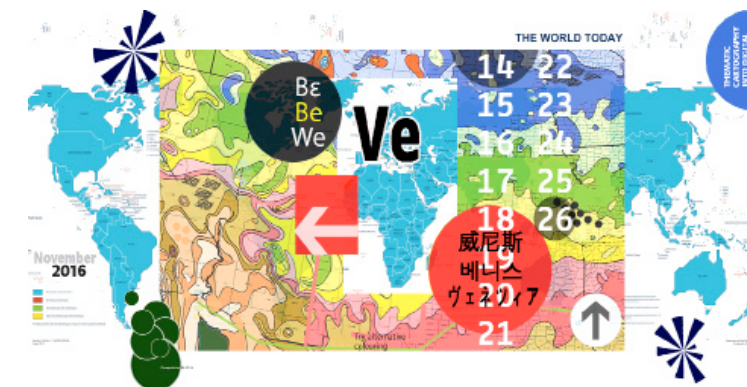
DEPARTMENT OF  
ARCHITECTURE  
CONSTRUCTION  
CONSERVATION

# REVIVING THEMATIC CARTOGRAPHY INTO DIGITAL

**enrollment call**  
innovative  
intensive  
post-graduate  
specialization  
course

**11.2017**  
**tolentini**  
**santa croce**  
**venice**

Supported by the  
ICA Commission Cartographic Heritage  
into the Digital



## Objective

**Reviving Thematic Cartography into Digital** is a specialisation course (corso di perfezionamento) addressed to a manifold of **post-graduate students** and **professionals** in

- architecture
- spatial planning
- engineering
- natural sciences
- geography
- graphic design
- history & archaeology
- digital humanities
- political & social sciences,

interested in thematic and poly-thematic **spatial representations**, including **historic pictorial representations** with emphasis in the context of **Digital Visual Humanities** (DVH).

## Thematic Cartography

**Thematic Cartography** is a uniquely defined branch of sciences and technologies in the ensemble of geospatial representations addressed to post-graduates, researches, scholars and professionals in the milieu of knowledge and implementation characterized by a great degree of interdisciplinarity. Undergraduate **Thematic Cartography** courses are introduced in the curricula of many fields of knowledge extending in a spectrum of matters from geospatial engineering to architecture and land/territory studies, from geography to history, archaeology and map-library & geo-information curatorship and from economical and political sciences to international relations and to any other discipline involving in its theory and implementation the pic-

torial representation of geospace (including Visual spatial historiography).

The unique challenge of establishing a modern and indeed innovative specialisation course in

**Thematic Cartography**, with a strong attractivity and digital perspective, is:

**To operate in a common-factor type continuum of learning, introducing contents and experience gaining didactic procedures, accommodating the modern needs of a multifaceted audience coming from a variety of disciplines, with strong diversities in its educational and cultural formation.**

It is the Iuav in Venice the very special place, both institutionally and geographically, to address such a specialization course, pioneering and 'smart' in its structure and implementation, targeting at making the course not only a small hot-spot of excellence but also internationally popular.

## Course graduate profile

The functional profile of the course graduate and the occupation opportunities in the professional reference sector / *profili funzionali e sbocchi occupazionali nel settore professionale di riferimento*  
**Thematic Cartography Production Specialist / Tecnico operatore per la produzione di cartografia tematica.**

The course is powered by **OCAD 12 ThematicMapper**  
a contribution by **OCAD AG** | [www.ocad.com](http://www.ocad.com)



the smart software  
for cartography

## Course Content

Thematic data and classification | The role of scale in thematic representations and maps | The role of map-projections in thematic representations and maps | Rules and standards in representing thematic data and information | Thematic data acquisition, pre-processing, processing and post-processing and visualization | Symbols: qualitative, ordered and quantitative symbolism | The issue of colour and visual perception | Map design | Animation | Map typologies (dotted, isolines, choropleths, non-conventional) including topological maps and cartograms | Correlations and synthetics in thematic data-sets | Map production issues | The case of cartographic heritage thematic cartodiversity | Issues on Visual Digital Humanities and Visual Historiography | Individual digital project.

## Specifications

- **Specialisation course** / *corso di perfezionamento*
- Teaching language / *lingua insegnamento* **English**
- Year / *edizione* **2017-2018**
- Scientific coordinator / *responsabile scientifico*  
**Caterina Balletti** ([balletti@iuav.it](mailto:balletti@iuav.it))
- Venue / *sede* **University Iuav of Venice**
- Course duration / *durata corso* **60 hours** (4 CFU)
- Positions offered / *posti disponibili* **25**
- Tentative course duration: intensive two weeks / *inizio-fine corso* **November 2017**
- Application selection process fees / *tasse iscrizione al concorso* **€ 50**
- Enrollment fees / *tasse immatricolazione* **€ 950** + stamp duty paid online / + *imposta di bollo assolta in modo virtuale*
- Application deadline / *scadenza domande ammissione* **15.9. 2017**