



## University of Paris 1 Panthéon-Sorbonne

Research Masters Degree in "History"

Specialisation: History of Sciences and History of Technology

Programme: TPTI (*History of Technology, Industrial Heritage and Landscapes: Valorisation and Didactics*)

## **ERASMUS MUNDUS TPTI MASTERS SCHOLARSHIPS TPTI MOY (*Mediterranean Office for Youth*) GRANTS**

### **Erasmus Mundus Scholarships**

**Category A** (non-European students): **24.000€/year**

**Category B** (European students or students having lived in Europe for more than a year in the last 10 years): **10.000€/year + 3.000€** for specialization mobility.

### **MOY Grants**

**Eligible nationals:** students must be nationals of a MOY member country.

**Mobility:** students must spend at least 1 academic semester in an institution of higher education in a MOY partner country other than the applicant's home institution.

**MOY mobility grant may not be combined with other mobility grants.**

**Grant amount:** will cover living expenses and transportation costs. The baseline allotment for living expenses is **1.000€/mois** (multiplied by a coefficient that takes into account the cost of living in the host country).

Transportation costs is a lump sum of **300€** for one semester of mobility and **600€** for two semesters of mobility

### **Participation costs**

**8.000€/year** for **Erasmus Mundus Category A** scholarship students

**4.000€/an** for **Erasmus Mundus Category B** scholarship students

**2.000€/an** for **MOY** scholarship students

**1.500€/an** for **self-sponsored** students

### **Application procedure:**

To apply for the Erasmus Mundus TPTI Masters, all students are requested to use the online application form available at (<http://application.tpti.eu/>).

Application for students applying under **Erasmus Mundus Category A and B** scholarship will close on **31 January 2013**. Selected applications will be presented to the European Commission and **results will be announced in May 2013**.

Application for students applying under **MOY Grants** will close on **31 March 2013**. Selected applications will be presented to the Mediterranean Office for the Youth and **results will be announced by end of June 2013**.

Applications for **self-sponsored students** (including students holding a scholarship from their country of origin) will close on **31 May 2013**. Selection **results will be announced mid-July 2013**.

### **Required documents:**

- **a certified copy of the university degree diploma(s)** required for admission or its equivalent in the relevant fields

- **proof of language proficiency** (French and English)

- **a letter of motivation**, in French or English

- **two letters of recommendation**, in French or English, from professors of the University or higher education institution from the applicant's country of origin, or from employers, if relevant.

- **a curriculum vitae** (prior work experience in a relevant field – internship, project work – will be considered as a merit in the selection process )

- an **essay** of no more than 15000 characters, in French or English, justifying your application to the programme and describing your thesis work that may be focused on a case-study, valorization process, musealisation of an ensemble of techniques or a region with significant industrial heritage. The essay must include upto four fundamental bibliographical references. Originality of the research topic and the commitment of the student will be important selection criterion.

In general, students must demonstrate distinct thinking skills in the field, be able to apply these comprehension skills in novel situations and communicate with specialists and non-specialists in the field.

- **the completed application form**



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### ERASMUS MUNDUS TPTI MASTERS CALL FOR APPLICATIONS 2013/2014

#### WHAT IS THE ERASMUS MUNDUS TPTI MASTERS PROGRAMME?

The TPTI Masters trains in industrial heritage with specialisations in historical environments of technology, granting of heritage status/'*patrimonialisation*' of technological know-how and management of industrial landscapes. The programme is offered by a consortium of seven universities: University of Paris 1 Pantheon-Sorbonne, University of Padova, University of Evora, University of Alicante, the Faculty of Letters and Humanities of Sfax, the Polytechnic University of Prague and the Federal University of Technology-Parana and invites applications from historians, architects, cultural professionals, economists and administrators of cultural heritage.



**Course description:** The TPTI is a two-year research-oriented Masters program specializing in history of technology, industrial heritage and preservation of traditional crafts, covering the dual aspects of culture and territorial impact (architecture, landscape). The Masters program brings together historical analysis and field work, research and management, research-action and valorization, placing it all within a sustainable development perspective. It provides students profound scientific knowledge and understanding and prepares them for their professional life with the help of internships, language training and mobility offered by the European and non-European partner institutions.

**Objectives :** to prepare future professionals and cultural entrepreneurs, open to the world, who will be part of international cultural management networks, contribute positively towards globalization by building appropriate intrinsic socio-economic balances around traditional craft production and cultural technology. The main feature of the programme is its complete integration process – integrated coursework, integrated evaluation, scientific, academic and cultural integration.

**Career opportunities:** further education (HERITECHS doctoral program in applied history); government and public administration officials (museums, archives, collections, industrial archaeology, paleo-technology); cultural managers (museum conception, consultants of management and valorization of territories and monumental structures, traditional arts and craft technology, industrial tourism) ; professionals in the field of information and communication (specialized journalism).

#### THE TPTI DEGREE



**Joint-degree:** a French degree is awarded by the University of Paris 1 Pantheon-Sorbonne, in partnership with University of Evora and University of Padova upon completion of the course for which ECTS credits are issued by other partner universities.

**Diploma supplement:** a Diploma Supplement is awarded in English describing the personal curriculum contents of the students including their internships and field-work accomplished as part of the Masters program.

#### MEDIUM OF INSTRUCTION

TPTI Masters is part of a scientific network that has been working, for a long time, on technological thought, social history of industry, industrial archaeology and its connection with spatial planning and land development. This network that brings together Central European, Latin American and Central American universities uses French as its main working language.

TPTI Masters courses will be taught in:

- French and English at the University of Paris 1 Panthéon-Sorbonne in France
- Italian and English at the University of Padova in Italy
- Portuguese and French at the University of Evora in Portugal



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### TUTORED PROJECT

Students are divided into work groups based on their previous background: architecture, history, archaeology, museology, management and law. Each group is supervised by three tutors, one doctoral candidate or professional from each university of the curriculum. The group meets every two weeks in person and via web conferencing. The other week, students participate in workshop activities like meeting professionals of the field, career *coaching* sessions, etc. At the start of the Masters program, the group is assigned a general theme based on the research topics decided by the pedagogical team and, with the tutors, decides on the execution of the project.

Each group will work on one of the following projects during the four semesters:

- valorization of a site or collection in a museum,
- construction of a virtual museum,
- building an inventory,
- aesthetic or cultural valorization of a site or collection,
- organizing an exhibition.

A digital as well as a paper version of the final project, which will be both a group and an individual work, is submitted in the fourth semester. The group will work together on the digital construction of the project and each student will develop their individual input to the project in their final Masters thesis. During S4, when the students will be in different universities, they will continue to work via *moodle* and web conferencing sessions. Students will thus gain experience in remote-collective work, intercultural partnership and inter-professional exchanges and also master the diverse heritage projects market.

### EVALUATION PROCESS

Students will be continuously evaluated on the following: attendance, reading reports or essays for the courses and lectures, internship reports, field-trip reports, including tutored project attendance and participation. Specialisation mobility will also be evaluated in the same manner. Students should pass all courses taken and submit a final mobility activity report that will be evaluated by the professor-tutor, the mobility programme supervisor and a professional expert, if relevant.

### TEACHING MODULES

Course description and subjects	Total no. of hours (theoretical)	Credits
<b>Semester 1 (University of Paris 1 Panthéon-Sorbonne)</b>		
<b>UE n°1 : Methodology and practical training</b>		<b>10</b>
UE11. Technical systems, history, epistemology (A.-F. Garçon)	26h	3
UE12. Practical training module		7
- Internship		
-Tutored project		
- Project supervision		
- Computer project on a history-heritage topic (G. Romero)		
<b>UE n°2 : Fundamentals : History and anthropology of technology</b>		<b>10</b>
History of Technical Thoughts (A.-F. Garçon)	26h	5
Energy and Materials: medieval and modern worlds (A.-F. Garçon, S. Benoit)	26h	5
<b>UE n°3 : Scientific environment</b>		<b>10</b>
- TPTI Webinar TPTI	9h	
- 1 of the following electives:	26h	5
Material and spiritual heritage from Middle Ages to today (H. Drévilion)		
History of scientific knowledge (B. Belhoste)		
Transport and mobility (M. Flonneau, V. Guigueno)		
Technical and scientific culture in Europe – 16th to 19th centuries (J.F. Belhoste)		
- 2 language courses (French, English, Italian, Portuguese)	39h	5



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### Semester 2 (University of Padova)

#### UE n°1 : Practical training and Methodology

UE11. Museography of industrial heritage: definitions, objectives, research methods, 26h 10  
inventory, conservation and communication (M. Negri) 3

UE12. Practical training module 7

- Field trips

- Tutored project

- Company archives and industrial heritage sources (G. Bonfiglio Dosio)

#### UE n°2 : Fundamentals: Conservation, management and valorisation of industrial heritage 10

Archaeology to industrial heritage (G. L. Fontana) 26h 5

Industrial heritage and local development (G. L. Fontana, G. Guerzoni, U. Bocconi) 26h 5

#### UE n°3 : Scientific environment 10

- TPTI Webinar TPTI 9h

- 1 of the following electives: 26h 5

City and industry (G. Zucconi, P. Chierici)

Industrial heritage and project (F. Mancuso, A. Massarente, M. Triscioglio)

Management and industrial heritage (M. Nuccio, E. Lazzaro)

Industrial heritage and oral history: anthropological approaches (E. Novello, F. Fava)

- 2 language courses (English, Italian) 39h 5

### Semester 3 (University of Evora)

#### UE n°1 : Practical training and Methodology

UE11. Heritage, museology and construction of memory (F. Themudo Barata, J.A. 26h 10  
Gomes Machado) 3

UE12. Practical training module 7

- Field trips

- Tutored project

- Images as source for technical heritage (A. Cardoso de Matos)

- Project supervision

#### UE n°2 : Fundamentals: Management and valorisation of technical heritage and cultural landscapes 10

Ecosystems, landscape and heritage management (F. Themudo Barata, S. Capelo, A. 26h 5  
Fialho Conde)

Landscapes of technical innovation: analysis and impact on society (A. Cardoso de 26h 5  
Matos, A. Carapinha, P. Guimaraes)

#### UE n°3 : Scientific environment 10

- TPTI Webinar 9h

- 1 of the following electives: 26h 5

Aesthetic and technology of traditional and industrial objects (A. Cardoso de Matos, P. 5  
Simoes Rodrigues)

Medieval Islamic Arabic technology (F. Barros, F. Branco Correia)

History and heritage of engineering (A. Cardoso de Matos, M.A. Barnardo)

Science and Culture Heritage (C. Dias, J. Mira, A. Candeias)

- 2 language courses (French, English) 39h 5

### Semester 4

UE n°1 : Specialisation course 5

UE n°2 : Masters thesis (individual research project +group project) 25



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### SPECIALISATION TRACKS

#### Internship and field work:

Internship and field works give students a concrete perception of the different examples of granting heritage status/"*patrimonialisation*" in the respective countries and an understanding of the right in-context practices. Internships are organized in S1, in January, for a minimum period of 3 weeks and finalized upon signing an internship contract between the department and the host organization. Field trips organized in S2 and S3 are structured around two principles: 1) professionals such as historians, urban planners, archaeologists and architects present the main themes for the visits, critical analysis and uniqueness of the site during preparatory classes; 2) on-site visit followed by a report that is part of the student evaluation. All these activities will be mentioned in the Diploma Supplement.

**Specialization mobility:** Students, individually choose their specialization track and will complete their specialization mobility of 5 weeks, between January and February in S4. This module is an integral part of the curriculum since 2008. The mobility helps students become independent, completes his/her training and prepares the students to integrate into the international HERITECHS doctoral program. The student chooses from the following four tracks offered by four partner universities:

Track 1) *Heritage and economy of cultural goods* at the University of Alicante (Spain):

Natural resources economy (J. Melgarejo)

Factors of entrepreneurial competitiveness (J.A. Miranda)

Tourism economy (A. Ramon)

Track 2) *Archaeology and development* at the University of Sfax (Tunisia):

Traditional Mediterranean shipyards (A. Barkaoui)

Mediterranean island traditions: case-study of Kerkennah islands (A. Fehri)

Public policies and territorial revalorization: Beylik territory in Tunisia (M. El Bahi)

Track 3) *Social history of contemporary technologies* at the Polytechnic University of Prague (Czech Technicum University, Czech Republic).

Technological cultures and social development: Czech example (M. Efmertova)

Techno-sciences and fabric of History (Z. Beneš)

History of electricity and electrification (M. Efmertova)

Track 4) *Work, mediation and culture, sustainability* at the Federal University of Technology-Parana (UTFPr, Curitiba, Brazil).

Sustainable technology (E. Kruger, M. Corrêa da Silva, E. Fassi Casagrande Jr)

Genre and Technology (M. Gomes de Carvalho, N. Stancki da Luz)

Design and culture (L. Ernesto Merkle, M. Lopes Pinheiro Queluz)

### INTERNATIONAL SCIENTIFIC PANEL (CSI)

Apart from the national agencies, the Masters program curriculum is evaluated every year by an International Scientific Panel (CSI) comprising of members who are part of neither the CSLM nor the CSA. This panel, endorsed by the CSLM, comprises of the following academicians and professionals renowned for their experience and expertise: J.-C. Daumas, University Professor of History of economy, U. of Franche-Comté; H. L. Dienel, Director for Technology and Society, U. of Technology, Berlin ; M. El Faiz, Professor of economic and agronomic history, U. Cadi Ayyad of Marrakech, Morocco ; M. Saul, Professor, Department of Anthropology, U. of Illinois, USA; A. Vilanova, architect, Barcelona; Belem Oviedo Gamez, president, TICCIH Mexico.

### CONTACTS

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