

WHAT IS TPTI?

TPTI is an education in industrial heritage, the expertise of historical technical environments, the patrimonialization of technical knowledge, and the management of technical landscapes. Offered by the Universities of Paris 1 Pantheon-Sorbonne, Padua, Evora, Alicante, the Faculty of Arts and Humanities of Sfax, the Czech Technical University in Prague, and the Federal University of Technology - Parana, it is aimed toward cultural historians, architects and cultural trades, as well as economists and administrators specialized in cultural heritage.



Training: Specializing in technical, craft and industrial heritage, with the dual aspects of culture and territorial impact (architecture, landscape), TPTI crosses historic and site analysis, research and management, action research and development, with a view to sustainable development. TPTI teaches students high-level scientific knowledge and prepares them for a professional career through internships, linguistic learning and mobility through various European and non-European countries.

Objectives: To train administrators and cultural managers, placed into international cultural management networks, capable of contributing to the globalizing world by constructing, around craft production and technical culture, adequate internal socioeconomic balances.

Prospects: Research (PhD HERITECHS in applied history); patrimonial professions serving local governments (museums, inventories, collections, industrial or paleotechnic archaeology); cultural mediation professions (museum design, consulting in the management and development of monumental sites and structures as well as technical artisanal culture, industrial and technical tourism); communication and information professions (scientific and technical journalism).



THE GRADUATE TPTI

Joint diploma: Delivery by Panthéon-Sorbonne University – Paris 1 of a French diploma in international partnership with the University of Évora and the University of Padua and for which the partner universities give ECTS credits.

Diploma supplement : This supplement to the diploma, in English, testifies to the coursework, field work and internship of the student.

WORKING LANGUAGES

TPTI is based on a scientific network having long worked on questions of technical thought, the social history of industry, and industrial archaeology in connection with territorial planning and regional development. The principal language of this network, which maintains close ties with the universities of Central Europe, Latin America, is French.

The linguistic course is the following:

- French and English at Panthéon-Sorbonne University – Paris 1 in France
- Italian and English at the University of Padua in Italy
- Portuguese and French at the University of Évora in Portugal.

TUTORED

Students work in groups, combining their respective skills: architecture, history, archaeology, museology, management or law. Each group is supervised by three tutors, PhD students and professionals, one per university program. Meetings are held in person and via webconference every other week. The other weeks, students participate in training workshops: meetings with professionals and employability advice. Each group receives a general theme at the beginning, situated within areas of research decided upon by the teaching staff and upon which they will work for two years, being:

- museum site or collection development, *or*
- the implementation of a virtual museum, *or*
- the implementation of an inventory, *or*
- aesthetic or cultural enhancement of a site or collection, *or*
- the organization of an exhibition.

The final work is both collective and individual, digital as well as written. For the collective part, the work is to be put online. As to the individual aspect, each student's work is developed in the thesis paper at the end of the program.

In case of separation during the S4, the works continue on moodle and by webconférence.

The students learn the collaborative work online. They learn the intercultural collaboration, the interprofessional exchange and to understand the market of the patrimonial projects.

CONTINUOUS ASSESSMENT

The forms of evaluation in continuous assessment are the following: diligence, synopsis or synthesis for seminars and cursus report for the internship and the visits; diligence and participation for the tutored project. For the mobility of speciality the evaluation includes the validation of the seminars and the writing of a final report of synthesis of all the activities estimated jointly by professor-tutor, professional and expert if necessary the professor referent.

CLASS STRUCTURE

EU and seminar titles	Total hours (Theoretical)	Credits
Semester 1 (Université Paris 1 Panthéon-Sorbonne)		
UE n°1: Practical Training and Methodology		10
UE11. Technical Systems, History, Epistemology (A.-F. Garçon)	26h	3
UE12. MPractical Training Unit		7
- Internship		
- Tutored project		
- Follow-up on project		
- History/patrimony-focused IT project (G. Romero)		
UE n°2: Fundamentals: The History and Anthropology of Techniques		10
History of Technical Thought (A.-F. Garçon)	26h	5
Energy and Materials: The Medieval and Modern World (A.-F. Garçon, S. Benoit)	26h	5
UE n°3: Scientific Environment		10
- Webminar TPTI	9h	
- 1 additional seminar from the following:	26h	5
Material and Spiritual Heritage from the Middle Ages to Today (H. Drévilon)		
The History of Scientific Knowledge (B. Belhoste)		
Transportation and Mobility (M. Flonneau, V. Guigueno)		
Technical and Scientific Culture in Europe, 1600s-1700s (J.F. Belhoste)		

Semester 2 (Université de Padoue)

UE n°1: Practical Training and Methodology

UE11. Museography of Industrial Heritage: Definitions, Objects, Investigational Methods, Inventory, Conservation and Communication (M. Negri)	26h	10
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UE12. Practical Training Unit		7
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- Site visits

- Tutored project

- Company Archives and the Sources of Industrial Heritage (G. Bonfiglio Dosio)

UE n°2: Fundamentals: Conservation, Management and Development of Industrial Heritage

From Archaeology to Industrial Heritages (G. L. Fontana)	26h	5
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Industrial heritage and Local Development (G. L. Fontana, G. Guerzoni, U. Bocconi)	26h	5
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UE n°3: Scientific environment

- Webminar TPTI	9h	10
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- 1 additional seminar from the following:	26h	5
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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 the Spoken Word: Anthropological Approaches (E. Novello, F. Fava)

- 2 language courses (English, Italian)	39h	5
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Semester 3 (Université d'Evora)

UE n°1: Practical Training and Methodology

UE11. Heritage, Museology and the Construction of Memory (F. Themudo Barata, J.A. Gomes Machado)	26h	10
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UE12. Practical Training Unit		7
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- Site visits

- Follow-up on project

- Images and Sources of Technical Heritage (A. Cardoso de Matos)

- Project monitoring

UE n°2: Fundamentals: Management and Development of Technical Heritage and Cultural Landscapes

Ecosystems, Landscapes and Heritage Management (F. Themudo Barata, S. Capelo, A. Fialho Conde)	26h	5
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Landscapes of Technical Innovation: Analysis and Societal Impact (A. Cardoso de Matos, A. Carapinha, P. Guimaraes)	26h	5
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UE n°3: Scientific environment

- Webminar TPTI	9h	10
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- 1 additional seminar from the following:	26h	5
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Aesthetics and Techniques of Artisanal and Industrial Objects (A. Cardoso de Matos, P. Simoes Rodrigues)

Techniques of the Arab-Islamic World in the Medieval Era (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, Portuguese)	39h	5
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Semester 4

UE n°1: Speciality training

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UE n°2: Final dissertation (personal + collective project)

25

SPECIALITY TRAINING

Internship and field work:

The internship and field work offer students a concrete vision of the patrimonial methods used in the concerned countries and an appreciation in the usage of correct practices.

Organized during S1, the internship lasts a minimum of 3 weeks in January and occurs after the signature of an internship agreement between the UP1 and the welcoming organization.

Organized during S2 and S3, the visits occur in two phases: 1) Presentation of the major themes of the visit, critical questioning and site particulars during the preparatory weeks, in which town planners, historians, archaeologists and architects participate; 2) Site visits, followed by a mandatory report. These activities are mentioned in the diploma supplement.

Speciality mobility: Individual, the speciality mobility lasts 5 weeks, between January and February of S4. This arrangement has been an integral part of the program since 2008. It increases the autonomy of the student, completes its training and prepares the student to integrate into the international PhD HERITECHS program.

The student chooses between three fields, proposed by four partner universities:

- Heritage and Economy of Cultural Property at the University of Alicante (Spain);
 - Economy of Natural Resources (J. Melgarejo)
 - The Factors of Entrepreneurial Competitiveness (J.A. Miranda)
 - Tourism Economics (A. Ramon)
- Archaeology and Development at the University of Sfax (Tunisia);
 - Traditional Shipyards in the Mediterranean Sea (A. Barkaoui)
 - Mediterranean Island Heritage: the example of islands Kerkenna (A. Fehri)
 - Public Policy and Territorial Enhancement: Ottoman era Tunisia (M. El Bahi)
- Social History of Contemporary Technology at the Czech Technical University of Prague (Czech Technical University, Czech Republic).
 - Technical Cultures and Social Development: The Czech Example (M. Efmertova)
 - Technosciences and the Factory of History (Story) (Z. Benes)
 - History of Electricity and Electrification (M. Efmertova)
- Work, Mediation and Culture, Sustainability at the University of Federal Technology of Paraná (UTFPR, Curitiba, Brazil).
 - Long-lasting 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 ADVICE (CSI)

Every year, independent of national agencies, the program undergoes an evaluation by the International Scientific Council (CSI). This input, validated by the CSLM, consists of academics and professionals recognized for both their experience and the quality of their expertise: J.-C. Dumas, University Professor of Economic History, University of Franche-Comté; H.L. Dienel, Director for Technology and Society, University of Technology, Berlin; Mr. El Faiz, Professor of Economic and Agronomic History, University Cadi Ayyad of Marrakesh, Morocco; Mr. Saül, Professor, Department of Anthropology, University of Illinois, United States; A. Vilanova, architect, Barcelona; Belem Oviedo Gamez, President of TICCIH Mexico.

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