AI & IP

University Diploma

Artificial Intelligence and Intellectual Property

ONLINE DISTANCE LEARNING

Centre d'études internationales de la **propriété intellectuelle** | CEIPI

*Center for International **Intellectual Property** Studies*

*Institut für internationale Studien des **geistigen Eigentums***

Université de Strasbourg

CEIPI Diploma on Artificial Intelligence and Intellectual Property

Recent advances in artificial intelligence (AI), accompanied by numerous regulatory developments, are overturning creative and innovative practices just as much as they are challenging the foundations of intellectual property (IP). Yet very few lawyers have sufficient expertise to understand the impact of these new objects on their practice.

The Artificial Intelligence and Intellectual Property degree aims to fill this gap. The first university course to be dedicated exclusively to exploring the intersection between AI and IP, the courses offered over 5 modules between November and June present the various ways in which AI and its products can be protected (copyright, database law, trademark law, patents, business secrecy), as well as the rights associated with the data needed to train models. The course also includes a module dedicated to putting the societal challenges of AI into perspective (philosophy, ethics, sociology, economics, fundamental rights, responsibility), as well as a presentation of the regulatory framework governing its deployment. Another specific feature of this course is that it offers an entire module dedicated to a technical introduction to the various components of an AI system (Module 1: Introduction to AI and machine learning).

This module provides a description of how the algorithms at the heart of AI work, accompanied by numerous examples of applications and practical work, without requiring any prior computer training.

The course is offered in distance mode, with group work and case study analysis throughout the year.

Speakers include:

Adrien Aulas (Lawyer, Lighten) | **Rahul Bhartiya** (EUIPO) | **Stefano Bianchini** (Lecturer at the University of Strasbourg and researcher at BETA) | **Enrico Bonadio** (Reader, University of London) | **Julien Cabay** (Associate Professor at Université Libre de Bruxelles and Université de Liège) | **Martin Clancy** (Researcher, Trinity College Dublin) | **Maxime Cornet** (Researcher, Ecole des hautes études en sciences sociale) | **Aliça Daly (WIPO)** | **Thierry Debled** (European Patent attorney, LLR Patent & Trademark Attorneys & CEIPI) | **Raphaël Déchaux** (Lecturer of Public Law - GERJC-Institut Louis Favoreu - Aix-Marseilles University) | **Estelle Derclaye** (Professor, University of Nottingham) | **Dev Gangee** (Professor, Oxford University) | **Plamen Dinev** (Lecturer, Goldsmiths, University of London) | **Kim Gerdes** (Professor of computational linguistics, Paris-Saclay University & CTO, Qatent) | **Samir Ghamri Doudane** (Head of Data Science (Lab INPI), Institut National de la Propriété Industrielle) | **Domenico Golzio** (EPO) | A**ndres Guadamuz** (Professor, Sussex University) | **Dominique Guellec** (Scientific Advisor to the Observatory of Science and Technology) | **Natalia Kapyrina** (Researcher, CEIPI) | **Richard Kennedy** (European Patent attorney, Venner & Shipley, UK) | **Jean Lassègue** (Researcher at CNRS) | **Thomas Lederer** (European Patent Attorney, ABP Rechtsanwaltgesellshaft) | **Nari Lee** (Professor, Hanken School of Economics) | **Mathias Le Masne de Chermont** (Lawyer, Lighten) | **Frédéric Marty** (Researcher at CNRS) | **Tobias McKenney** (Copyright Counsel, Google) | **Kelly Merkel** (US Patent attorney, Senior Intellectual Property Counsel, Michelin) | **Elodie Migliore** (Assistant researcher, PhD-cand. at CEIPI, University of Strasbourg) | **Carlos Munos Ferrandis** (IP Counsel, Huggingface & Max Planck Institut) | **Guido Noto La Diega** (Professor, University of Stirling) | **Clément Perarnaud** (Researcher, Brussels School of Governance & Centre for European Policy Studies) | **Eleonora Rosati** (Professor, Stockholm University) | **Noam Shemtov** (Professor, Queen Mary University) | **Edouard Treppoz** (Professor, Sorbonne University) | **Aleš Završnik** (Senior Researcher at the Institute of Criminology at the Faculty of Law in Ljubljana) | **Herbert Zech** (Professor, Chairman of Civil Law, Technology Law and IT Law at Humboldt University, Berlin)

Course direction

Jean-Marc DELTORN
Senior Researcher at CEIPI

Franck MACREZ
Associate Professor at CEIPI,
University of Strasbourg

Programme

Module 1

Introduction to AI and machine learning

- Acquire the basic principles of computer technology and data science
- Learn how to write a short program ("hello world"), compile it and run it
- Learn how to write a short artificial intelligence algorithm in Python
- Understand, with precise distinction, the various techniques of artificial intelligence and data science

Module 2

AI in context

- Acquire a general legal culture concerning the relations between artificial intelligence and Law
- Understand the ethical and societal challenges related to artificial intelligence
- Understand the technical and legal cybersecurity challenges related to AI
- Understand the challenges of artificial intelligence in terms of fundamental rights

Module 3

Data protection and AI, Trade secrets and AI

- Understand the legal issues related to data protection: business secret, "ownership" of data, rights to personal data
- Understand the legal framework related to the circulation of data: free circulation, competition law, open licenses

Module 4

Copyright, trademarks, designs and AI

- Develop an in-depth understanding of the various issues related to the protection of artificial intelligence processes by copyright
- Understand the issues related to the copyright protection of the products obtained by artificial intelligence processes: creativity, protection, ownership of rights
- Understand the use of artificial intelligence for the enforcement of copyright

Module 5

Patent law and AI

- Develop an in-depth understanding of all issues related to the patent protection of artificial intelligence applications and their products
- Understand the use of artificial intelligence, from patent drafting to "patent landscaping"...
- Understand the use of artificial intelligence for the implementation of patent rights

Course schedule

For the academic year 2022-2023, teaching will take place according to the following calendar:

Module 1 :
8-9 November 2024 : hybrid (Strasbourg / Zoom), 9:00-12:30 / 14:00-17:00
22-23 November 2024 : hybrid (Strasbourg / Zoom), 9:00-12:30 / 14:00-17:00
7 December 2024: Hackaton (Zoom), 9:00-13:00
Exam : 13 December 2024, 18:00 - 19:00 (online)

Module 2 :
6-11 January 2025 : online, 18:00 - 20:00 (Saturday: 10:00 - 12:00)
20-25 January 2025 : online, 18:00 - 20:00 (Saturday: 10:00 - 12:00)
Exam : 7 February 2025 : online, 18:00 - 19:00

Module 3 :
17-22 February 2025 : online, 18:00 - 20:00 (Saturday: 10:00 - 12:00)
3 - 8 March 2025 : online , 18:00 - 20:00 (Saturday: 10:00 - 12:00)
Exam : 21 March 2025, 18:00 - 19:00 (online)

Module 4 :
24-29 March 2025 : online, 18:00 - 20:00 (Saturday: 10:00 - 12:00)
7-12 April 2025: online, 18:00 - 20:00 (Saturday: 10:00 - 12:00)
Exam : 25 April 2025 : online, 18:00 - 20:00

Module 5 :
12-17 May 2025 : online, 18:00 - 20:00 (Saturday : 10:00 - 12:00)
2-7 June 2025 : online, 18:00 - 20:00 (Saturday : 10:00 - 12:00)
Exam : 13 June 2025, 18:00 - 19:00 (online)

Tuition fees for the academic year 2023/2024

The 2024-2025 fees are currently being validated.

For information, the 2023-2024 fees were as follows:
Continuing education (including university fees): €3,600

Initial training: €1,030

NB: In addition to the above registration fees, all students in initial training at a higher education institution must pay:
-The Student and Campus Life Contribution (€100 in 2023-2024)
-National tuition fees for enrolment in a Master's programme (€243 for 2023-2024).

For more information, see the dedicated page on the university website.

Information and enrolment

For questions related to the educational program and registration please contact:

diploma_ai_ip@ceipi.edu

For further information visit: www.ceipi.edu