Section "Required and Supporting Documents to be attached to the application" modified on 06/05/2022

PROGRAMME'S NAME	LAW, SCIENCE AND TECHNOLOGY
ASSOCIATED PARTNERS *pursuant to art. 3, para 2, lett. a) of the M.D. n. 226/2021*	Università degli studi di Torino
DURATION	3 years
PROGRAMME START DATE	01/11/2022 (dd/mm/yyyy)
LANGUAGE	English
MANDATORY STAY ABROAD	12 months
COORDINATOR	Prof. Monica Palmirani (monica.palmirani@unibo.it)
CURRICULA	N/A
RESEARCH TOPICS	Detailed list at the bottom of the present document
PhD POSITIONS	6
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

Available Positions and Scholarships

Pos. n.	Financial Support	Description	Position linked to a specific research topic
1	PhD Scholarship*	Co-funded by the University of Bologna general budget and the Department of Legal Studies	The impact of Extended Reality on Human Rights: An Analysis of Development and Governance in America and China
2	PhD Scholarship*	Co-funded by MUR within the "Dipartimenti di Eccellenza" initiative and the Department of Legal Studies with funds made available by the project UNI 4 JUSTICE, supported by PON Governance e Capacità Istituzionale 2014-2020 by the Ministry of Justice	Legal smart contracts: logical and procedural representations of norms and agreements
3	PhD Scholarship*	Funded by Università degli Studi di Torino	
4	PhD Scholarship*	Funded by Università degli Studi di Torino	
5	PhD Scholarship*	Funded by Università degli Studi di Torino	
6	Research Grant	Provided by the Department of Legal Studies with funds made available by the project LAST-JD RIoE MSCA-ITN- CUP J34I19000050006 - Grant Agreement n. 814177 - Prof. Monica Palmirani. The research grant will have a duration of 36 months, and a gross amount of €98.166,56 (12 months on MSCA-ITN 48.166,56€ and 24 months on UNIBO 25.000€ per year)	Distributed ledger technologies beyond financial applications: eDemocracy and new forms of Governance

*The yearly gross percipient amount of the PhD scholarships is 17.500€.

AFORM Settore Dottorato di ricerca
Strada Maggiore 45 | 40125 Bologna | Italia | Tel. + 39 051 2094620 | aform.udottricerca@unibo.it

1

Admission Exams

	DATE AND TIME	RESULTS
Qualifications and research proposal evaluation	Applicants' participation is not required	Available from **27/06/2022****
Oral examination	**Date**: Starting from **11/07/2022 - 9.00 a.m. CEST*** **Place**: In presence, Sala Kelsen, via Galliera 3, Bologna. Remotely, using Microsoft Teams	Available from **18/07/2022****

* In case that the oral examination cannot be completed in one day due to the large number of applicants, the oral examination schedule shall be made available on the webpage Studenti Online together with the results of the qualifications evaluation. **During the oral examination, applicants may express their interest in one or more positions linked to specific research topics**.

** **The results of the admission exams** will be available on the webpage Studenti Online (select "summary of the requests in progress" > "see detail" and open the .pdf file at the bottom of the page. **No personal written communication will be sent to applicants concerning the examinations results**.

Required and Supporting Documents to be attached to the application

All the documents listed below **shall be drawn up in English**. In case of documents originally issued in any other language (e.g. identity document, qualifications), an official English translation is required.

Only qualifications obtained **during the last 5 calendar years** shall be taken into consideration, except for the University Degree. The Admission Board will assess the relevance of the supporting documents to the PhD Programme.

REQUIRED DOCUMENTS	
Identity document	Valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae	CV must be written in English
Qualifications	Documents attesting the awarding of the first and second cycle degrees, the exams taken and the marks obtained (see Art. 3 of the Call for Applications)
Multi-annual research proposal	A multi-annual research proposal, **in English only**, with special emphasis on the activities to be completed during the first-year course. The research proposal shall meet the following requirements: - it shall indicate **on the cover page the research topic** covered by the research proposal and for which the applicant is applying; - it **cannot exceed 5.000 words**, including spaces and formula possibly used. This figure does not include: the title of proposal, the outline, references and images (such as graphs, diagrams, tables etc. - where present); - **it must include**: the state of the art; description of the proposal; expected results; lead-time for implementation; references. The research proposal that successful applicants shall carry out during their doctoral career may possibly differ from the proposal presented at the application stage. This shall be defined together with the supervisor and approved by the Academic Board.
SUPPORTING DOCUMENTS	
Thesis abstract	Abstract of the **second cycle degree thesis**. Graduands may submit the draft of their thesis (abstracts cannot exceed 5.000 characters, including spaces and formulas, if present. The above figure does not include: title, outline, images such as graphs, diagrams, tables etc. if present) – **In English only**.
Personal Statement	The statement shall include the reasons prompting the applicant to attend the PhD Programme and those relevant experiences and research interests, that make the applicant suitable for the specific PhD Programme (3000 characters maximum, including spaces) – **In English only.**
Reference letter/s	No more than 2 reference letters signed by Italian and/or International academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest for the scientific research. For more information about the specific uploading procedure, see the Call

AFORM Settore Dottorato di ricerca
Strada Maggiore 45 | 40125 Bologna | Italia | Tel. + 39 051 2094620 | aform.udottricerca@unibo.it

2

	for Applications (Art. 3.2) – **In English only** (the applicants must inform the academics/professionals about the required language)
Publications	List of publications (i.e. monographs, articles on scientific journals, volume chapters) and minor publications (conference papers, etc.) – **In English only**
Other documents	- Language proficiency certificates (i.e. TOEFL, IELTS, Cambridge Assessment, ESOL or other certificates attesting at least B1 level) - Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) – **In English only** - Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc.) – **In English only**

Evaluation criteria *

Scores will be expressed in points out of 100, as follows.

1. **Qualifications and research proposal evaluation** - minimum score for admission to the oral examination: 30 points, maximum score: 50 points

Qualifications evaluation	First (Bachelor's) and Second cycle degrees final marks. Graduands shall be evaluated on the basis of the Weighted Average Mark (WAM)	**7 points max**, awarded as follows: - 7 points corresponding to 110 with honors - 5 points from 110 to 105 - 3 points from 104 to 100 - 0 points if the final mark is less than 100 For graduands, Weighted Average Mark (WAM) evaluation: - 30 = 7 points - 29 = 5 points - 28 = 3 points - less than 28 = 0 points
	Publications	5 points max
	Reference letter/s	5 points max
	Personal statement	5 points max
	Other qualifications	2 points max
Research proposal evaluation	Scientific value and ground-breaking nature of the proposal	11 points max
	Structure of the proposal	5 points max
	Proposal feasibility	10 points max

2. **Oral examination** - minimum score for eligibility: 30 points, maximum score: 50 points

English proficiency	5 points max
Research proposal presentation	20 points max
General knowledge of issues encompassed by the PhD Programme	25 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of issues encompassed by the PhD Programme (list of the Research Topics at the bottom of the page).
The oral examination is carried out in English.
* Possible further evaluation criteria will be available on the University website, selecting the relevant PhD Programme > "More information", at the bottom of the page in the section "Notices".

Research Topics

- Human Rights and Ethical Principles in new and emerging technologies
- Ethics and law in Genetics
- Biotechnology and law
- Biobanks, DNA and research
- E-health and Privacy by Design applying AI and Big Data
- Privacy and eHealth information systems
- Ethical, Legal and Social Issues in Health
- Semantic Web and Legal ontologies modelling
- Legal Analytics and AI for Legal Sources
- Legal Design techniques for transparency
- Data Science for Law
- Digital Humanities and legal sources
- LegalXML for legal document and knowledge modelling
- Information Systems for eJustice, eGovernment, and eLegislation
- Computational models of legal and ethical reasoning
- Intelligent Information extraction and NLP of legal resources
- e-Discovery and data mining in Legal domain
- Legal knowledge extraction using ML
- Formal Models of Norms and Legal Reasoning Logic-based models of norms and legal knowledge
- Legal reasoning, including argumentation and reasoning
- Argumentation systems Game theory as applied to the law
- Normative Multi-Agent Systems and e-Institutions Regulatory Compliance
- Automotive Self-driving system and liability
- Regulation of Robotics and Related Ethical Issues
- Privacy and Security with New Technology Cybercrime and Computer Forensics
- Computer forensics and security
- e-Business and Consumer Law
- e-Governance and e-Democracy social modelling
- IPR and New Technology
- Protection of children online for a safer Internet
- Digital citizenship and vulnerability of the minor digital identity
- Blockchain for legal domain
- eDemocracy: theoretical and technical models
- Artificial intelligence and democracy in the data society
- Artificial intelligence and eJustice: legal and technical solutions
- Big Data governance and law regulation balancing economical and individual rights

AFORM Settore Dottorato di ricerca
Strada Maggiore 45 | 40125 Bologna | Italia | Tel. + 39 051 2094620 | aform.udottricerca@unibo.it

4