



CALL FOR APPLICATIONS
Higher Education Course in AI Ethics
"Éthos + Tékhnē: a new generation of AI researchers"
2022/2023 academic year

In partnership with Scuola Normale Superiore and Paris Sciences et Lettres (PSL)

Art. 1
Start up

The Biorobotics Institute of the Sant'Anna School of Advanced Studies of Pisa has activated the 1st edition of the Higher Education Course "Éthos + Tékhnē: a new generation of AI researchers" in Ethics of Artificial Intelligence, pursuant to art. 7 of the Charter.

The Course Scientific Responsible is Prof. Calogero Maria Oddo.

The course is organised sponsored by the European Engineering Learning Innovation and Science Alliance (EELISA), in collaboration with Scuola Normale Superiore and Paris Sciences et Lettres.

The course will be held at Scuola Normale Superiore in Pisa from March 6th, 2023 to March 10th, 2023 for a total of 32 hours.

The on-site attendance of single seminars is not foreseen, but online auditing will be allowed.

The official language of the Course is English.

Art. 2
ECTS

The Course envisages the acknowledgement of 2 European Credit Transfer and Accumulation System (ECTS) for students who attend the entire training course.

Acquiring European Credit Transfer and Accumulation System (ECTS) is subject to passing the foreseen learning test and complying with the attendance obligations envisaged.

The learning test consists in drafting an extended abstract, in groups of five participants, about the major challenges and potential solutions of one of the topics within the Course.

Art. 3
Educational Objectives

The Course has the following Educational Objective: encourage the upcoming generation of AI developers to combine their tékhnē with êthos. More specifically, the Course aims to teach and discuss key notions of the Ethics Guidelines for Trustworthy AI drafted by the AI High-Level Expert Group appointed by the European Commission. The Course is designed to primarily target students at doctoral level.

Art. 4
Recipients

The Course is intended for the following main recipients: early-career researchers (e.g. research assistants, PhD students, post-docs) in computational sciences, especially in AI.

Art. 5 Course Structure

The Course syllabus has a duration of 5 days. Each day will address a specific topic, with lectures in the morning and practical activities in the afternoon. The Course is structured as follows:

- Module I – Socio-economic impact of AI
- Module II – EU regulations for a fair and private AI
- Module III – Explainable AI (XAI)
- Module IV – AI decision-making bias identification and AI trustworthiness assessment
- Module V – Legal liability in AI

Each day is composed of 6-7 hours of lessons on average (time 10:00-18:00, with a lunch break of 1 hour(s) and two breaks of about 15 minutes each).

A final assessment is foreseen at the end of the Course.

The large majority of training activities are provided face-to-face, while some activities will employ other teaching methods (for example: hybrid panel discussions, with speakers both on-site and online, and four lectures with speakers online).

Art. 6 Participants of single seminars

The whole Course or single seminars can be audited online free of charge, but no ECTS will be awarded and interaction with the speakers is not guaranteed.

Art. 7 Admission requirements

An admission application may be submitted by persons who completed a bachelor's degree (or equivalent foreign qualification) in any discipline and gathered technical experience in programming computational models.

The above requirements are to be met at the closing date to submit applications.

The Administration may decide to exclude a candidate, at any time, with a motivated decision, if the prescribed requirements have not been met.

Art. 8 Admission application

Persons who intend to apply for admission to the Course must, by and no later than February 2nd, 2023:

- A. submit the application exclusively online, and ensure that the data requested are entered at the following address: <https://www.santannapisa.it/it/alta-formazione/eelisa-spring-school-ethos-tekhne-new-generation-ai-researchers>

Students aiming at attending remotely only should express interest via the form below:

<https://forms.office.com/Pages/ResponsePage.aspx?id=IdaPT7WzgkCABWEOIFPm0NLzwoMN8MNCu9VOnIIDbEQUkRQUjkxTUJPT044VlpVRjExS0pEVIVSOCIQCN0PWcu>

B. the following documentation, in electronic format, is to be attached to the application, under penalty of non-eligibility for the Course:

- an up-to-date curriculum vitae or resumé (max 2 pages);
- a currently valid identity document;
- a proof of English language proficiency (a certificate of English language proficiency, or certificate of attendance of learning activities given in English, or self-declaration);
- a one-page motivation letter explaining experience in computational sciences and/or AI (experience in ethics will be a plus), reasons to attend the school and key topics of interest in the programme, future career plans in AI;
- other documents considered to be of interest (for example: publication record related to AI, or ethics or both; ECTS related to AI, to ethics or both; professional experience in AI; certificate of disability).

Applications received after the deadline or submitted in a form other than the form indicated in this article, for whatever reason, will not be considered.

Falsification of documents and fraudulent statements are punished in accordance with the Italian Criminal Code and the special applicable laws, Art. 75 and Art. 76 of Presidential Decree (D.P.R.) No. 445/2000.

The Institution may monitor the truthfulness of the statements provided and the documents submitted at any time during the procedure, even after the Course has started, and request the original documents to be submitted. In the case of false statements the Institution may decide, at any time, to exclude candidates from the selection procedure, based on a motivated decision issued by the Rector, without prejudice to the resulting criminal liability.

Art. 9 Selection of candidates

The selection is made by a special Committee appointed by a decision issued by the Rector on the basis of the educational qualifications presented and the information entered in the online application form.

The Committee selects the candidates on the basis of the following parameters:

a) Motivation	45/100
b) Educational Qualification and Educational experience	40/100
c) Peer-reviewed publications	10/100
d) Relevant professional experience	5/100
TOTAL	100/100

The 25 best-scoring candidates are admitted to the Course. 5 places are reserved to the organisers from the inter-institutional team between Paris Sciences et Lettres, Scuola Normale Superiore and Scuola Superiore Sant'Anna.

Only applicants who achieved an overall assessment equal to or greater than 60 points will be considered eligible to attend the Course.

The younger candidate will have precedence in the case of ex-aequo.

A Decision issued by the Rector duly approves the selection documents, as well as the merit ranking and the successful candidates are announced at the end of the selection, subject to the condition of verifying the requirements and the educational qualifications stated, as indicated in art. 5 of this call for applications.

The educational qualifications gained at an Italian University or University Institute or gained at a foreign University or University Institute of equal standing are assessed by the selection Committee that reserves the right to request possible supplementary documents/information.

The merit ranking will be published on the Institution's website (<https://www.santannapisa.it/it/alta-formazione/eelisa-spring-school-ethos-tekhne-new-generation-ai-researchers>) and notified by e-mail exclusively to the persons who will be admitted to the Course.

Art. 10 Enrolment fees

The Course enrolment is free of charge (€ 0) and includes attendance of all the lessons. A laptop will be necessary and will not be provided.

The whole Course or single seminars can be audited online free of charge, by simply registering at <https://forms.office.com/Pages/ResponsePage.aspx?id=ldaPT7WzqkCABWEOIFPm0NLzwoMN8MNCu9VOnIIDbEUBUQkRQUjkxTUJPT044VlpVRjExS0pEVIVSOCQIQCN0PWcu>, without any selection process.

Travelling expenses, food and lodging are to be borne by each participant. Students could independently secure funding sources, including support from the European Engineering Learning Innovation and Science Alliance (EELISA).

Art. 11 Acceptance procedure

Successful candidates who wish to attend the Course are required to confirm their attendance within five working days and in accordance with the procedures indicated in the admission notice, under penalty of exclusion.

Art. 12 Educational Qualification issued

At the end of the Course the Sant'Anna School of Advanced Studies will issue a certificate of attendance with value to the extent permitted by law, and with the details of the ECTS obtained to the students who attended at least 80% of the lessons, and passed the assessment test foreseen.

Art. 13 Person responsible for the competitive entrance examination procedure, personal data processing and prevention of corruption measures

The Head of the U.O. Alta Formazione of the Sant'Anna School of Advanced Studies - Via Maffi, No. 27, 56127 Pisa - tel. 050/882645 - fax 050/882633 - e-mail: altaformazione@santannapisa.it is the person responsible for the competitive entrance examination procedure referred to in this call for applications, pursuant to the provisions of article 5 of Law No. 241/90.

The Sant'Anna School of Advanced Studies complies with the laws and regulations relating to the prevention of corruption (Law No. 190/2012) by applying the measures identified in the "Three-year prevention of corruption plan" published in the Transparent Administration section of the institution's website at the following address: www.santannapisa.it.

Sant'Anna School of Advanced Studies, represented by the Rector, as Data Controller, under article 13 of the EU General Data Protection Regulation no. 679/2016 and under the Italian Legislative Decree

of 30 June 2003 ("Privacy Code regarding the protection of personal data") with regard to the processing of personal data, and on his behalf Giovanna Bottai (giovanna.bottai@santannapisa.it), Head of the U.O. Alta Formazione, will process your data.
Please read the privacy statement available at <https://www.santannapisa.it/it/alta-formazione-info>.