



Sant'Anna
School of Advanced Studies – Pisa

Dr. n. 476 29/07/2020

Seasonal School:
**“THE SOIL – WATER AND PLANT CONTINUUM FOR URBAN AND RURAL WASTEWATER
PHYTOTREATMENT AND CONTAMINATED SITE REMEDIATION (SWAP)”**
A.Y. 2020/21

ART. 1
The Seasonal School

The Sant'Anna School of Advanced Studies of Pisa, Italy, is offering the Seasonal School in “THE SOIL – WATER AND PLANT CONTINUUM FOR URBAN AND RURAL WASTEWATER PHYTOTREATMENT AND CONTAMINATED SITE REMEDIATION”. The Course will be delivered in person, at the premises of the Scuola Superiore Sant'Anna, in Pisa from June 28 to July 2, 2021, for a total of 41 hours (including one-hour final assessment test).

The course is limited to a maximum of 12 positions. Each partner university benefits from one reserved seat.

The language of instruction is English. In case applications are submitted only by Italian students, the Seasonal School will be taught in Italian.

Considering the progress of the health emergency during the period of the Seasonal School, the Sant'Anna School of Advanced Studies reserves the possibility to confirm the activation of the course only 15 days prior to the beginning of the lessons.

ART. 2
ECTS - European Credit Transfer and Accumulation System

The acknowledgement of three (3) European Credit Transfer and Accumulation System is foreseen for students complying with the attendance obligations and passing the foreseen learning assessment test.

ART. 3
Educational Objectives

The proposed course deals with issues related to:

- hydrology and contamination of the water and soil matrices;
- the remediation of contaminated sites by means of phytoremediation and biological treatment techniques;
- phytotreatment of urban and rural wastewater and their following re-use for irrigation purposes;
- the full scale application of phytoremediation techniques.

The course is made of twenty hours of theoretical lectures along with 20 hours of laboratory exercises and a visit to a phytoremediation plant. The 40 hours include a workshop in which experts will present successful case studies.

At the end of the course, students will acquire knowledge and skills that will allow them to undertake a further training and research path to identify the most effective phytoremediation techniques for the resolution of the most common wastewater treatment and contaminated sites issues.

In particular, the training objectives consist in providing theoretical and practical knowledge of:

- Fundamentals of the Italian legislative framework and environmental due diligence;
- Techniques of phytoremediation and biological methods for the remediation of contaminated sites;
- Agronomic use of treated wastewater;
- Constructed wetlands for the treatment of water pollution;
- Sustainable drainage systems for the treatment and management of surface runoff.

The laboratory activities will be carried out in the chemistry laboratory or with the aid of a PC (each participant must have their own laptop) and free and open source software.

The Seasonal School allows students to deepen the most recent research developments in the field of nature-based solutions for the treatment of the water and soil matrices and to participate in practical activities, and in the discussion of applications to case studies.

The course content is recommended to students who have not progressed beyond the first year of the PhD program.

ART. 4

Places available and entry requirements

The course is intended for Italian or foreign university students who meet the following minimum requirements:

- to be undergraduate, postgraduate or PhD students (in Engineering, Agricultural and / or Forestry Sciences and Technologies, Environmental Sciences, Biological Sciences and Technologies, Geological Sciences and Technologies, Chemistry);
- to have passed, with a high average, all the examinations required by the rules of their Home University programs for students at their year of enrolment; at least 27/30 for the Italian system and B for international applicants;
- to have a proficient self-certified knowledge of English (at least B2 level)

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

A specific selection is not envisaged. If the number of applications received exceeds the number of places available, then the chronological order in which the enrolment applications were submitted will be adopted.

ART. 5

Course Structure

Students will be interactively and proactively engaged in the training process, thanks to the integration of theoretical concepts with practical experience, under the guidance of expert teachers.

The course schedule is composed of 5 full day. Each day from Monday 28th June to Friday 2nd July 2021 comprises about 8 hours of lessons (hours 9.00 – 18.30, including the lunch break).

An assessment test is foreseen at the end of the Course.

ART.6
Application procedure

The enrolment application is to be received by **June 3rd, 2021** at 9am (Italian time) and is to be submitted exclusively on-line by registering at the website www.santannapisa.it.

The following documentation is to be attached to the enrolment application, under penalty of exclusion:

- an updated curriculum vitae;
- a currently valid identity document;
- a self-certification attesting the proficient knowledge of English Language (at least B2 Level);
- a transcript of records;
- ISEE certificate to obtain a course fee reduction (only for students enrolled in an Italian University);
- any other document deemed useful.

Late applications, or applications missing any mandatory information will not be taken into consideration.

Forged deeds and false statements shall be punished in accordance with the Criminal Code and any other applicable law and will result in exclusion from the course.

ART. 7
Tuition fee

The Course fee includes attendance costs, tutorship, reference material, accommodation (in hotel), lunch/dinner and extracurricular activities for the entire length of the course.

The tuition fee is determined according to the following table with reference to the valid ISEE certification submitted:

ISEE	Tuition fee Seasonal School on site
Up to € 23.000,00	€ 200
Over € 23.000,00 and up to € 36.000,00	€ 400
Over € 36.000,00 and up to € 54.000,00	€ 600
Over € 54.000,00 and up to € 72.000,00	€ 800
Over € 72.000,00	€ 1.000

Candidates belonging to the maximum range (over € 72,000.00) are not required to present any ISEE certification.

Course fee of students from partner universities will be reduced of 10%.

A 450 € scholarship provided by [Fondazione Talento all'Opera](#) and [Fondazione EY](#) will be assigned to the three best performing participants of the Seasonal School.

In accordance with art. 9 paragraph 2 of Decree No 68/2012, students with disabilities greater than or equal to 66%, recognized pursuant to art. 3, paragraph 1, of Law 104/1992, are exempted from the payment of the tuition fee.

A reduction of 1.5% for each percentage point of disability is applied to those students with disabilities less than 66%. The student with disabilities who intends to make use of the exemption or reduction of the tuition fee shall attach a suitable certification in the on-line application.

A refund of the fee paid at the time of enrolment is not foreseen if attendance of the Course is waived. If the course is not initiated because the minimum number of participants fails to be reached, then the fee paid will be refunded.

ART. 8

Acceptance – Payment methods

Admitted applicants who wish to attend the Seasonal School shall give confirmation of their acceptance by the deadline indicated in the admission note and they shall send receipt of payment of the full course fee.

Payment can be made through bank transfer to the following account: Scuola Superiore Sant'Anna, UNICREDIT BANCA S.p.A., branch of Pisa, P.za Garibaldi 1, IBAN code IT 32 0 02008 14006 000401272765; BIC/SWIFT: UNCRITM1G12, description of payment: "Participant Name and Surname/Seasonal School title".

Admitted participants who withdraw from the Seasonal School after payment of the tuition fee might be reimbursed if their withdrawal is based on serious and documented reasons and if the course's budget so allows. Participants who have diligently applied to the competent Embassy without undue delay but have been refused their visa will normally receive reimbursement of the tuition fee that they have paid.

Art. 9

Certificate of attendance

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, to the students who attended at least 80% of the entire training programme, and passed the final assessment tests and are up-to-date with the payment of the enrolment fee.

ART. 10

Person responsible for the competitive procedure, personal data processing and prevention of corruption measures

Under the art. 5 of the Act n. 241/90 and ff.mm., the person in charge of the procedure is Mrs. Francesca Gattai, Head of the U.O. Allievi Ordinari e Lauree Magistrali - Sant'Anna School of Advanced Studies - Piazza Martiri della Libertà, 33, 56127 - Pisa.

Sant'Anna School of Advanced Studies, represented by the Rector, as Data Controller, under the article 13 of the EU General Data Protection Regulation n. 679/2016 and under the Italian Legislative Decree 30 June 2003 ("Data Protection 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.

Please read the privacy notice available to the address: www.santannapisa.it.

The Sant'Anna School of Advanced Studies operates in compliance with the legislation on the prevention of corruption (L.190 / 2012).