



**UNIVERSITÀ DEGLI STUDI
DELL'INSUBRIA**

Department of Theoretical and Applied
Sciences (DISTA)

TEACHING REGULATIONS OF
THE MASTER'S DEGREE COURSE IN
ENVIRONMENTAL AND WORKPLACE
SUSTAINABILITY ENGINEERING A.Y. 2025-2026



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1. General information and organization

The two-year study course in Environmental and Workplace Sustainability Engineering LM35 – Environmental and territory engineering (DM of 16 March 2007, reformed pursuant to DM 1649/23) – has been activated in accordance with the 2025 teaching regulations. The degree programme lasts two years and focuses on traditional environmental protection and conservation issues, as well as workplace sustainability issues. Admission is subject to possession of a degree obtained in any university course and the acquisition of an adequate number of credits in base subjects and in subjects specific to and relevant to civil and environmental engineering.

The study plan is a balanced mix of traditional disciplines, especially environmental engineering, and more recently defined subjects, such as those relating to energy management, building renovation, fire safety engineering and workplace sustainability. In particular, the study plan is divided into three groups: - specialist engineering subjects related to the environment, - specialist engineering subjects related to workplace sustainability and proper workplace management, - supporting scientific subjects.

Teaching consists of lectures, numerical and laboratory exercises, as well as guided technical visits. Students are also offered the opportunity to gain work experience in public or private companies through external internships aimed at introducing them to the world of work.

In addition, students have the opportunity to participate in mobility programmes at foreign universities with which agreements have been signed under the Erasmus Agreement. Students receive interdisciplinary training that enables them to develop adequate skills in the design and management of works and services related to water purification (water supply and waste water), the treatment of gaseous waste, the recovery, recycling, treatment and disposal of waste, and energy management (energy efficiency and distributed energy production), as well as the sustainability of civil and industrial work. Thanks also to laboratories and internships, students will develop independent judgement, the ability to analyse complex issues related to environmental protection, and in-depth knowledge of technical standards in the sector. According to the Institute for the Development of Vocational Training for Workers (ISFOL), professionals trained in this type of degree course deal with environmental control, waste collection and treatment, environmental remediation and sustainability of work. Graduates of this course can be admitted to the Register of Engineers, Civil and Environmental section, after passing the professional qualification exam.

Graduates who wish to continue their studies towards further specialisation will have the opportunity to enrol in PhD programmes or second-level master's degree programmes.

The combination of lecture hours on full days and the special attention provided by lecturers in the form of compensatory study material are measures that have been introduced to make it easier for students not actively participating to the lectures (including workers) to attend the course. Lecturers conduct personalised discussions based on the specific needs of students who find it difficult to attend classes in person.

The Course of Study supports students with disabilities, on the recommendation of the Services Office for Students with Disabilities (DSA), by setting up the necessary measures to enable them to attend lectures and laboratories more easily and cope with examinations in the best possible way.

The educational structure responsible for the course is the Department of Theoretical and Applied Sciences. The President of the Course Council is Prof. Bruno Dal Lago



(<https://uninsubria.unifind.cineca.it/get/person/040595>).

The Student Secretariat of the degree course receives by appointment via Microsoft Teams Platform and responds to e-mails received via INFOSTUDENTI.

2. Admission to the study programme

Admission to the Master's Degree in Environmental and Workplace Sustainability Engineering is subject to curricular requirements and verification of the adequacy of personal preparation. The curricular requirements for admission to the assessment of initial personal preparation for the Master's Degree Course are a three-year degree or a three-year university diploma or other qualification obtained abroad and recognised as suitable, as well as the possession of skills and knowledge acquired in previous training. In particular, students must have acquired: - at least 24 CFU in the basic training activities of the three-year Bachelor's degrees in Class L-7 Civil and Environmental Engineering (SSD INF/01, ING-INF/05, MAT/02, MAT/03, MAT/05, MAT/06, MAT/07, MAT/08, MAT/09, SECS-S/01, SECS-S/02, CHIM/03, CHIM/06, CHIM/07, FIS/01, FIS/02, FIS/03, FIS/04, FIS/05, FIS/06, FIS/07, FIS/08); - at least 36 CFU in core courses in the disciplines of Civil Engineering, Environmental and Land Engineering, and Safety Engineering and Civil, Environmental and Land Protection for three-year degrees in Class L-7 Civil and Environmental Engineering (SSD ICAR/01, ICAR/02, ICAR/03, ICAR/04, ICAR/05, ICAR/06, ICAR/07, ICAR/08, ICAR/09, ICAR/10, ICAR/11, ICAR/17, ICAR/20, ICAR/22, AGR/05, BIO/07, CHIM/12, GEO/02, GEO/04, GEO/05, GEO/11, ING-IND/09, ING-IND/10, ING-IND/11, ING-IND/22, ING-IND/24, ING-IND/25, ING-IND/27, ING-IND/28, ING-IND/29, ING-IND/30, ING-IND/31, ING-IND/33).

Students may assess the adequacy of their personal preparation through a mandatory interview following verification of their curricular requirements. The admission interview is conducted by a special committee made up of lecturers appointed by the Board of the DC according to procedures and timelines that are made available on the DC's web pages. Admission with educational debts is forbidden. Failure of the interview will result in exclusion from the Master's degree programme for the academic year covered by the interview. Currently, the deadline for the official subscription to the 1st year is the 31st of October. It is also possible to subscribe to single courses in view of the official subscription the next year.

Additional information are available at the following link: <https://www.uninsubria.it/servizi/vivere-insubria/immatricolarsi-e-iscriversi/immatricolazioni/verifica-della-preparazione-13>

3. Transfer procedures from other degree courses

Students from other Universities or from another degree course of the University of Insubria, or from previous degree programme structures, can apply for a transfer/change to the DC. Transfer/change applications will be assessed by the Council of the Degree Course, which will proceed to the validation of the ECTS according to the following criteria:

- analysis of the curriculum;
- assessment of the consistency of the academic fields and of the contents of the activities undertaken by the student in their previous career, regarding the specific educational objectives of the DC and of the individual educational activities of the educational path.



The above recognition is carried out in accordance with the provisions of Article 3 comma 11 and 12 of Ministerial Decree no. 1649 of 19 December 2023 redefining the Classe. The recognition is carried out up to the amount of university credits envisaged in the training course.

Link to the recognition page: <https://www.uninsubria.it/servizi/consulenza-e-supporto/pratiche-studenti/servizi-segreterie-studenti/riconoscimento-di>

4. Simultaneous enrolment in two study programs

From the 2022–23 academic year onwards, in accordance with Law No. 33 of 12 April 2022 (Provisions regarding simultaneous enrolment in two higher education courses) and subsequent ministerial decrees (DM 930/2022 and DM 933/2022), requests for double enrolment are possible and will be assessed by a special commission for each DC, once the admission requirements have been verified.

5. The educational path

The educational path does not provide curricula; however, the plan provides in the first year for six compulsory subjects and an elective block (choice among two courses); in the second year there are three compulsory exams and another elective block (choice among two courses). There are also 12 “free choice” CFUs at the second year, one course for Technical English and 14 CFUs for internships and the final examination.

Attendance to the courses.

Attendance to the courses is not compulsory but strongly recommended. Continuous attendance of lectures, which allows constant dialogical interaction with the lecturers, is strongly recommended in view of the full acquisition of content and methods of study, work, and awareness in the dialogue and exposition of technical problems typical of Engineering

Modality of verification of the training activities.

The modality of verification of the training activities is very diversified, in order to best respond to the peculiarities of each course. This may include written examinations, oral examinations, the completion of homework, or a combination of these. The methods of assessment and evaluation are detailed in the syllabuses of the subjects.

Prerequisites and/or restrictions:

There are no prerequisites or restrictions.

Correspondence between CFUs and hours for each type of activity (lectures, tutorials, laboratories, internships, placements and seminars). The University Educational Credit (CFU) is a measure of the volume of learning work, including individual study, required of a student with adequate initial preparation to acquire knowledge and skills through the educational activities set out in the Didactic Regulations of the study courses, as indicated in Article 5 of Ministerial Decree 270/04. Each formative activity (teaching, laboratory work, internships, theses, etc.) corresponds to a specific number of formative credits (CFUs). Each CFU corresponds to 25 hours of student commitment, including training activities with the lecturer



and autonomous study and personal revision time.

Students acquire the CFUs corresponding to each training activity after passing the exam or any other form of assessment established in the study course's didactic regulations.

Educational activities/CFU:

- Lectures: up to 8 hours/CFU
- Exercises: up to 12 hours/CFU
- Seminars: up to 12 hours per CFU
- Didactic laboratories and Field didactic laboratories: up to 16 hours/CFU
- Professional training: 25 hours/CFU

Lectures are the main didactic activity. Students attend lectures given by lecturers and then independently process the information. Students attend lectures given by lecturers and then autonomously elaborate the information.

Exercises enable the content of the lectures to be clarified through the completion of practical exercises. No additional content is provided in relation to the lectures. Typically, exercises are associated with lectures and do not exist independently. Passive exercises are carried out by the lecturer. Active exercises are carried out by students under the supervision of the lecturer.

Laboratory work involves interacting with instruments, equipment or application software packages and is assisted by the lecturer.

Seminars involve inviting recognised experts in the field of the subject being taught to talk about their experience and demonstrate scientific advances in research and professional applications.

Study trips involve travelling to a place of interest. These are in presence activities carried out in an internal or external production or research context and accompanied by a lecturer.

Internships involve students working alongside professionals or researchers in the field and carrying out technical tasks relevant to their course.

Thesis activities involve writing the final report.

Lessons are held at the Varese campus. The website address for the Course of Study is

<https://www.uninsubria.it/formazione/offerta-formativa/corsi-di-laurea/ingegneria-ambientale-e-la-sostenibilita-degli>

The calendar of lectures can be found on the LESSON SCHEDULE page:

<https://www.uninsubria.it/formazione/offerta-formativa/corsi-di-laurea/ingegneria-ambientale-e-la-sostenibilita-degli>;

The first semester runs from 22/09/2025 to 19/12/2025, and the second semester runs from 23/02/2026 to 29/05/2026.

The calendar of examination appeals can be found on the following page:

<https://uninsubria.esse3.cineca.it/ListaAppelliOfferta.do>

Examination periods:

From 07/01/2026 to 20/02/2026



From 03/06/2026 to 31/07/2026

From 01/09/2026 to 18/09/2026

To register for examination appeals, students must access the Personal Area of Student Secretariat Web Services using their university credentials (username and password for their @studenti.uninsubria.it email account).

Select Examinations > Appeals.

Then they must select the examination appeal and follow the instructions.

The minimum number of exam dates for each course is six.

Students who are up to date with their registration and tax payments may sit examinations in compliance with any propaedeuticity, and only after they have attended and completed the relevant courses.

Rules for submitting study plans and individual study plans

Students must submit their Study Plan in their first year, with the possibility of modifying it in the following year, according to the deadlines set annually and reported on the Student Secretariat web pages <https://www.uninsubria.it/servizi/presentazione-piano-di-studio>.

Students must complete their study plan online by accessing their reserved area on ESSE3, indicating:

- the courses in the elective blocks (as indicated in the study plan);
- the “free choice” courses (TAF D) for which 12 credits are reserved.

The “free choice” courses can be chosen from all the courses offered by the University, with the exception of some integrated courses offered by degree programmes in the health sector with limited enrolment. The DC Board will assess the consistency of these “free choice” courses with the educational path to which the student is enrolled.

To facilitate the choice, the online plan submission procedure includes a list of recommended courses that are consistent with the educational path. Please note that the lessons of the “free choice” courses taken from other degree programmes at the University may overlap with the timetable of the degree programme, which cannot be resolved.

Recognition of Professional Skills

The Board of the DC may recognise professional knowledge and skills certified in accordance with the relevant legislation in force, as well as knowledge and skills acquired in training activities at a post-secondary level to which the university has contributed in terms of realisation and design.

Students must submit a request for recognition to the Board of the DC. Recognition may be granted if the activity is consistent with the specific educational objectives of the degree course and the educational activities for which recognition is requested. This will be assessed based on the content and duration of the activity. The maximum number of credits that can be recognised is 12 CFU.

Recognition of language certifications

Recognition of the three CFUs for the course “Technical English” may take place by presenting the Student Secretariat with a certificate proving that the student has passed a test at a level \geq B2. This certificate must not have been obtained more than five calendar years previously, except for IGCSE, IELTS and TOEFL certifications, which are only valid for two calendar years. For a complete list of



recognised certifications, please refer to the following link: <https://www.uninsubria.it/servizi/tutti-i-servizi/riconoscimento-certificazioni-lingue-straniere-dista>

In addition to presenting the certificate, students must also attend a supplementary interview to assess their knowledge of technical terminology specific to the field of engineering.

Graduation Exam

The final examination consists of a public presentation of the thesis work, delivered via PowerPoint and lasting 15 minutes at most, in front of a special Degree Committee consisting of no fewer than five official professors from the degree course. External members (tutors and co-tutors) may be invited to attend the session for advisory purposes.

During the presentation, students must illustrate the objectives of their thesis and the procedure followed to achieve these objectives, which must include a significant number of experiments, surveys or calculations. Candidates must demonstrate that they have acquired the ability to clearly define problems, critically interpret the results obtained and contextualise their work within the international scientific bibliography. The syllabus for the final exam is available on the DC's web pages. Students may choose to perform a research-oriented (or experimental) internship carried out at facilities within the University (internal) or outside the University (external) lasting at least 8 months or, alternatively, a profession-oriented internal internship, or a report of activities carried out outside the Athenaeum (external internship), lasting at least 5 months.

The final exam is worth 13 CFU; the final mark is expressed as a percentage out of 110. The candidate's base mark for the degree exam is calculated as the overall average of their marks, weighted according to the number of credits, i.e. each mark contributes to the average in proportion to the number of credits awarded for the relevant course. To determine the final score, the assessment of the final paper decided by the Degree Committee is added to the base score. A maximum of 12 points can be awarded for a research-oriented thesis, evaluating above all the originality of the work carried out, the quality and consistency of the experimental support and the quality of the presentation.

Up to 8 points may be awarded for profession-oriented thesis. Finally, up to 6 points may be awarded for internship reports.

In order to be awarded Academic Honours, the base score must not be lower than 99/110 for experimental theses, 103/110 for internal theses, and 105/110 for internship reports. The proposal for Academic Honours must be submitted by the Supervisor to the Chair of the Degree Committee before the session and must be approved unanimously by the Committee itself. The announcement is made by the Chair of the Committee at the end of the meeting. For detailed information on the types of final thesis, with particular reference to length and assessment criteria, please refer to the Regulations for the Master's Degree in Environmental and Workplace Sustainability Engineering: https://www.uninsubria.it/sites/default/files/2024-04/Regolamento_conseguimento_laurea_IASAL.pdf

The calendar of sessions, which includes details on how to register for the final examination, is available via the following link: <https://www.uninsubria.it/servizi/vivere-insubria/laurearsi/esame-di-laurea-triennale-ingegneria-la-sicurezza-del-lavoro-e>



Upon completion of the degree, the Diploma Supplement is provided. This informative document accompanies the official degree and describes the nature, level, context, content and status of the studies undertaken and completed by the student. It is issued in both Italian and English. The document aims to provide independent data to promote the international transparency of qualifications (such as diplomas, degrees and certificates) and to enable fair academic and professional recognition, thereby favouring mobility of students. The Diploma Supplement complies with the Europass standard. The regulations and facsimile of the document are available at the following link: : <https://www.mim.gov.it/web/guest/-/nuovo-supplemento-al-diploma-con-4-allegati-relativi-alla-compilazione-e-alle-linee-guida-nazionali-per-la-digitalizzazione>



PLANNED TEACHING – COHORT

Mandatory courses refer to all the courses provided for the entire DC, which will have to be taken by all students enrolling in the current A.Y. (Enrolment cohort) in order to complete the degree program and obtain the qualification.

1st year						
Course title	Module Title	Academic field	Disciplinary Field	ECTS	Hours	Preparatory ex
ANALYSIS AND STRUCTURAL RECOVERY	-	ICAR/08	Mechanics of Materials Structures	6	48	-
ADVANCED HYDRAULICS	-	ICAR/01	Hydraulics	6	54	-
TECHNICAL ENGLISH FOR ENGINEERING	-	L-LIN/12	English	4	32	-
MACHINE AND ELECTROMECHANICAL SYSTEMS SECURITY	-	ING-IND/3	Applied Electro-magnetism	9	80	-
ADVANCED ENVIRONMENTAL ENGINEERING	-	ICAR/03	Environmental Engineering	12	108	-
CIRCULAR ECONOMY AND SUSTAINABLE DEVELOPMENT	-	ICAR/03	Environmental Engineering	6	54	-
GEOLOGICAL-ENVIRONMENTAL HAZARD TERRITORY SURVEY	-	GEO/03	Structural Geology	6	48	-
Alternatively:						
ECOLOGY AND SUSTAINABILITY	-	BIO/07	Ecology	6	48	
ENVIRONMENTAL CHEMISTRY	-	CHIM/12	Environmental Chemistry	6	48	

2nd year						
Course title	Module Title	Academic field	Disciplinary Field	ECTS	Hours	Preparatory ex
FIRE-STRUCTURES INTERACTION ELEMENTS OF FIRE-ENGINEERING	-	ICAR/09	Structural Analysis Design	12	96	-
SAFETY ELEMENTS, INDUSTRIAL PROCESSES AND CHEMICAL/ENVIRONMENTAL RISK	-			12	96	-
	Chemical/Environmental Risk	ING-IND/24	Principles of Chemical Engineering			
	Safety and Industrial Processes	ING-IND/25	Chemical Plants			
TECHNOLOGIES FOR ENERGY SUSTAINABILITY	-	ING-IND/11	Environmental Physics	9	72	-
Alternatively:						
AIR POLLUTION AND TREATMENT	-	ICAR/03	Environmental Engineering	6	48	-
TREATMENT PLANTS MANAGEMENT	-	ICAR/03	Environmental Engineering	6	54	-
To be chosen by the student	-	-	-	12 to 20	-	-
FINAL EXAM	-	-	-	13	325	-
THESIS PROJECT	-	-	-	1	25	-