



Regulations of the Study Course in Civil and Environmental Engineering (Class L-7)

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1. Premises and Aims

This Study Course belongs to the Engineering Faculty and it is coordinated by the Managing Collegial Board represented by the Faculty Council, the role of Teaching Structure of reference as regards administrative purposes is represented by the Engineering Faculty.

The Managing Collegial Board carries out its activities in accordance with the University's Statute and the regulations in force on the subject, in so far as they are not governed by these Regulations.

2. Access Modes and Rules for ECTS University Training Credits Recognition

The enrolment can take place throughout the Academic Year in order to be consistent with the request for flexibility in access that a International Telematic University UNINETTUNO must have. this access model conditions the course delivery models that are described below.

To be admitted to the Three-Year Degree Course of the Engineering Faculty one must have a secondary school five-year diploma of second level (previously named as high school). In case of four-year secondary school of second level, the student must follow and successfully pass integrative courses: propedeutical course of computer science, propedeutical course of mathematics, assigned by the Deanship of the Engineering Faculty. Upon matriculation, the student is administered a test, that is not binding for enrolment purposes, to assess his aptitudes and check the appropriateness of their basic scientific knowledge (mathematics, physics and logical-deductive reasoning). If the assessment test show any weaknesses in basic scientific knowledge, the student is assigned Additional Training Obligations (ATO) to be met with a calendar year since matriculation and to do so he will receive suitable study materials.

Students can request the recognition of ECTS University Training Credits deriving from previous certified study paths (even if not completed), from professional activities and certifications supplying a suitable documentation and submitted an application through a special form available on the University's portal (following the path Enrolment \diamond ECTS Recognition). The assessment is carried on by the Commission for the ECTS Credits Recognition, appointed by the Engineering Faculty Council.

The number of ECTS credits resulting from the recognition fixes the year in which the student is enrolled:

0-29 ECTS credits: first year

30-59 ECTS credits: second year

At least 60 ECTS credits: third year



3. Structure of the Study Program

At the following [link](#) you can find all information about the Degree Course in Civil and Environmental Engineering.

The three-year Degree Course in Civil and Environmental Engineering (L-7) is that of training a graduate having a good cultural background on the specific issues linked to the respective degree class in order to create a high-level professional profile capable of operating as regards civil and environmental aspects as well as economic and managerial ones. This Degree Course is structured on two paths: the former, named as “Structures and Infrastructures” and the latter one named as “Construction, Survey and Topography”. The two paths differentiate since the first year.

Within, the “Structures and Infrastructures” path, after a first year mainly devoted to the creation of robust theoretical basics in scientific disciplines such as that of mathematics, physics, chemistry and computer science, e with specific subjects more specifically devoted to design and technical architecture, the path goes on with more professionalizing contents. More specifically, in the second year we deliver courses related to some disciplines that characterize civil engineering such as the statics and dynamics of mechanical systems, structural mechanics, hydraulics and hydraulic constructions; we also deal with some aspects of corporate culture such economics, business management, survey and theory of evaluations and some aspects of environmental technical physics, of electro-technics and health and environmental engineering, with a specific course on energy plants for buildings. The third year allows for an in-depth study of some more professionalizing subjects with disciplines of the environmental sector and more properly civil ones. Actually, there are also some technical and advanced structural aspects such constructions technique, geotechnics and the construction of roads and infrastructures as well as geology and geodesy. Finally, we also treat some aspects of security in construction sites and urban planning with reference to the question of sustainability. Finally, there are also courses at the student’s choice aimed at better characterizing his training path, in the third year of studies, when he will be suitably prepared to better weight his needs; to this end, the student can benefit from a number of courses in the area of computer science, economics and of industrial engineering beside a wide offer of courses implemented in the other faculties of the University.

Also within, the “Constructions, Survey and Topography” Path, after a first year mainly devoted to the creation of robust suitable basics in scientific disciplines such as that of mathematics, physics, statistics, physics, chemistry and computer science, e with contents more specifically devoted to design and technical architecture and topography, the path goes on with more professionalizing contents. More specifically, in the second course year we deliver courses related to some disciplines that characterize civil engineering such as methods and models of structural mechanics, structural design and building science; we also deal with some aspects of corporate culture such economics, business management, some aspects of environmental technical physics, of electro-technics and health and environmental engineering, with a specific course on energy plants for buildings. The third year allows for an in-depth study of some more professionalizing subjects with disciplines of the environmental sector and more properly civil ones. Actually, there are also some technical and advanced structural aspects such constructions technique, geotechnics as well as geology, survey and theory of evaluations. Finally, we also treat some aspects of health and environmental security and urban planning with reference to the question of sustainability. Finally, there are also courses at the student’s choice aimed at better characterizing his training path, in the third year of studies, when he will be suitably prepared to better weight his needs; to this end, the student can benefit from a number of courses in the area of computer science, economics and of industrial engineering beside a wide offer of courses implemented in the other faculties of the University.



Other activities that are complementary to traditional lessons consist in stages and visits to businesses, seminars, discussions of case studies and are completed by a final exam to which 3 ECTS credits are assigned. This final exam consists in preparing and discussing a short written report, autonomously developed by the student on themes characterizing Civil and Environmental Engineering, prepared under the supervision of one or more professors (also in research centers, in particular at CNR, from which several UNINETTUNO's professors come).

For the study programs of the two paths see the following links: Structures and Infrastructures and Construction, Survey and Topography.

4. Structure of the teaching activities

The teaching activities of this Study Course, according to UNINETTUNO's psycho-pedagogic-didactic model, establishes that, for each academic year, the course delivery must be repeated for three times. When they enroll in the Study Course, the students can access all the contents of the courses that are available in the Didactic Cyberspace without constraints of course delivery periods. In the course delivery period the student is followed his learning processes by the teacher / tutor of the subject (hereafter, simply the Tutor; instead, the Area Professor performs control and supervisory tasks). The interaction with the Tutor typically takes place a distance, mainly – but not exclusively - through the interactive tools available in the UNINETTUNO portal and via e-mail, possibly face-to-face based on the scheduling of the teaching activities posted in the University's portal or by appointment.

Each course delivery period has a duration of two and a half months. The students, through their own "Student's Page" and the "My Courses" feature, autonomously enroll in the disciplines of their interest, respecting the constraints of propaedeuticity and year of enrolment. The ECTS University Training Credits corresponding to each training activity are acquired by the student after successfully passing a final exam or after another mode of assessment of the acquired knowledge, according to what is established by the Exam Commission.

At the end of each of the three course delivery periods an examination session is carried out, each consisting of two turns. Each turn is divided in more days, but it is considered a single session; the exams are held at UNINETTUNO's headquarters at the technological poles (exam centers). The students can book their exams at the headquarters or at the technological poles within the following limitations: 1) the enrolment to the module has to have taken place not after the half of course delivery period preceding the session for which the student wishes to book; 2) the tutor's admission of the student to the exam is required based on the module's specific modes; 3) it is not possible to enroll in the same exam in the same session in more exam centers; 4) at each exam center it is possible to take maximum 3 exams lasting 2 hours or 1 exam lasting 3-4 hours and 1 exam lasting 2 hours (instead, it is possible to enroll in several exams in different exam centers on different dates).

The correction of the papers and the publication of the results is carried within the following working 10 days from the date of the last day of the exam session. Any oral exams, organized at the Area Professor and/or Tutor's discretion, take place in Rome's headquarters; in particular cases, they take place at distance at the presence of the guarantor of the University who sit by the student. For the final exam of title awarding (Graduation exam) 4 sessions are envisaged: the autumn (October/November), Winter (January/February), Spring (March/April), Summer (July) session. Detailed information are included in the Regulations for the Graduation Thesis.

5. Course delivery

At the beginning of each delivery period, the Tutor sends all students a welcome letter including information on the course, including the prerequisites to be admitted to the exam. The students' activity on the platform is defined as "tracing" and allows the Tutor to check the learning progress and to report on it. The admission to the exam has, as its first prerequisite (to which those of the course must be added) a tracing reporting the complete watching of all the videolections. The self-evaluation processes and interactive activities with the Tutor are also traced and represent a mid-term assessment element to be admitted to the exam.



The interactive real-time meetings (Interactive Classrooms) are included into a schedule by the Tutor and – if they are of general interest – further on posted in the section of the Delivered Interactive Classrooms in the Cyberspace, to be used by the students who were unable to follow them live. They complete and/or update the contents of the videolessons and, consequently represent an integral part of the exam program, if specified by the Tutor.

Exercises, possible virtual laboratories and other teaching activities are used as tools to assess the students' mid-term learning progress, namely, during the delivery period, consequently, they can represent a fundamental feedback tool. This is useful to the tutor to scale his teaching activities and to the student to get aware of his learning progress in order to scale his study strategies for the exam.