**UNIVERSITY-COMPANY ACADEMIC COOPERATION PROGRAMME (Appendix I) SCHOOL CODE: 250**

1. **APPLICATION OF EXTERNAL ACADEMIC WORK PLACEMENTS (to be filled in by the student)**

The Student Full student’s name , holder of Spanish national identity card (DNI) No DNI enrolled in studies of Master Camins, Canals i Ports , requested that the external academic work described in this document is considered:

|  |  |  |
| --- | --- | --- |
| **Curricular external academic work placement:** |  | **Extracurricular external academic work placement** |
|  | (GECO) |   |  | (GEC, GEG, MECCP, MEGM) |
|  | (MECCP, MEGM) |   |  | (GEC, GEG, MECCP, MEGM) |
|  | (MMNE, MSCM) |   |  | (ECCP, EG, ETOP) |
|  | (MEA) |   |  | (GEC, GEG, GECO, MECCP, MEGM, MEC, MEA, METES, MEEC, MMNE, EUROAQUAE) |

**Student’s signature:**

Barcelona, Date.

**2) WORK PLAN (to be filled in by the company)**

Mr./rs Company Tutor, appointed by the company **Company name** in his/her capacity of Tutor of the University-Company Academic Cooperation agreement between the University and the Company, declares the tasks carried by the student Full student’s name with National Identity Document Number DNI will be:

* Description of the tasks: Tasks to do
* Place of work: Location
* Period of time: date and the date
* Total number of hours dedicated on this program: total number hours

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Work schedule:** | Monday | Tuesday | Wednesday | Thursday | Friday |
|  | Starting time | **\_\_:\_\_** |  **\_\_:\_\_**  |  **\_\_:\_\_**  | **\_\_:\_\_** | **\_\_:\_\_** |
|  | Ending time | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** |
|  | Starting time | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** |
|  | Ending time | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** | **\_\_:\_\_** |

* Specific knowledge the student shall have:

Previous Knowledge

* Professional training the student will be provided:

|  |
| --- |
| **Generic skills** |
| **☐** | Innovation, employability, development and research |
| **☐** | Sustainability and the environment |
| **☐** | Technological and scientific development in a third language (English) |
| **☐** | Use of information resources at an international level |
| **☐** | Ability to develop knowledge |
| **☐** | Promotion capacity and management of engineering projects |

|  |
| --- |
| **Specific skills** |
| **☐** | Knowledge and ability to realize structural analysis by applying advanced methods of calculus and design. Ability to perform structural integrity assessments. |
| **☐** | Knowledge of all types of structures and its materials and ability to design, project and maintain building and civil engineering structures  |
| **☐** | Ability to plan, dimension , build and maintain waterworks |
| **☐** | Ability to perform the calculation, evaluation, planning and regulation of water resources, both surface and underground. |
| **☐** | Knowledge and skills that allow us to understand the dynamic phenomena of the atmosphere - ocean - shore environment and be able to provide answers to the problems posed by the coast, ports and coasts , including the impact of actions on the coast . Capacity studies and maritime works projects. |
| **☐** | Capacity of planning, managing and operating of infrastructures related to civil engineering |
| **☐** | Ability to address and solve advanced mathematical engineering problems, from the statement to the development of the formulation and implementation in a computer program. Ability to formulate, plan and implement analytical models and numerical calculations to project planning and management. Ability to interpret the results provided by the models. |
| **☐** | Understanding and mastering the laws of thermo- Continuum Mechanics and capacity for implementation in their own areas of engineering such as fluid mechanics , mechanics of materials, theory of structures, etc. |

* Student tracking and orientation procedure:

Tracking procedure

Signed Mr. /Ms. Tutor’s full name

**3) REPORT OF THE CRUEM (to be filled in by the school)**

Professor **Climent Molins Borrell**, acting as legal representative of the University-Company Relations Committee (CRUEM), accepts the proposal work plan for the vocational training of the student.

**Barcelona School of Civil Engineering (ETSECCPB)**