

ANNEX

STUDY PROGRAMME

Section 1

- The study programme for the students participating in the Double Degree whose home institution is **IPL** is provided in the following table:

Semester	Subjects	ECTS
1 (IPL)	Dynamic Analysis and Earthquake Engineering	7
	Construction and Maintenance of Road Pavements	6
	Urban Hydraulics	6
	Coatings and finishes	6
	Sustainable Construction	5
		----- 30
2 (IPL)	Safety and Quality in Construction and Projects	6
	Wood and Masonry Structures	6
	Modelling and Evaluation of Structures	5
	Environmental Comfort in Buildings	5
	Mobility Planning and Management	6
	Introduction to Research in Civil Engineering	2
		----- 30
3 (DonNACEA)	Pre-stressed Structures and Prefabrication	6
	Support Structures and Improvement of Soil	6
	Repair, reconstruction and reinforcing of building structures	6
		----- 18
3 and 4 (IPL)*	Project/Dissertation/Internship ¹	42
		----- 42
TOTAL		120

*Co-supervision by DonNACEA Professor

¹The students should pick a minimum of 18 ECTS of the following subjects:

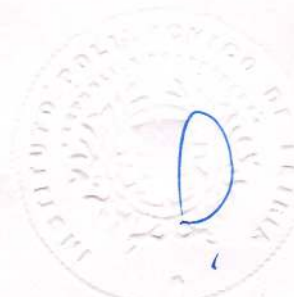
Elective ¹ subjects	ECTS
Project	42
Dissertation	42
Internship	42



- The study programme for the students participating in the Double Degree whose home institution is **DonNACEA** is provided in the following table:

Semester	Subjects	ECTS
1 (DonNACEA)	Dynamic Analysis and Earthquake Engineering	7
	Building technology for special buildings and structures	6
	City pipelines and networks (water nets, waste water nets, gas, heat, ventilation supplies nets)	6
	Technological works with new constructional materials	6
	Information technologies for researching	5
		----- 30
2 (DonNACEA)	Basics of quality management and products certification	5
	Special building structures (steel, composite and reinforced concrete)	6
	Experimental investigations for building structures	6
	Environmental engineering. Special course	2
	Designing of energy efficient and energy saving construction	3
	Transportation systems. Planning and Management	3
	Management and economics for building enterprise	3
	Introduction to Scientific Researches in Civil Engineering	2
		----- 30
3 (IPL)	Pre-stressed Structures and Prefabrication	6
	Support Structures and Improvement of Soil	6
	Pathology and Rehabilitation of Buildings	6
		----- 18
3 and 4 (DonNACEA)*	Pedagogic practical training	2
	Scientific practical training	4
	Project/Dissertation/Internship	36
		----- 42
TOTAL		120

*Co-supervision by IPL Professor



- Entrepreneurship: Each student taking part in the double programme will be offered, in IPL, for free, a course on International Entrepreneurship in the second semester. This course will be considered as an option part of the double programme. It is intended to strengthen the students' skills and competences to plan, design, develop and manage business activities related with Civil Engineering.

- The Master in Civil Engineering – Building Construction takes place at the School of Technology and Management of IPL, from Monday to Friday, according to schedules established for every academic year.

- The Master in Civil Engineering, takes place at the Civil Engineering Faculty at DonNACEA, from Monday to Friday, according to schedules established for every academic year.

Section 2

The learning programmes described in the previous section follow these criteria:

1. Students enrolled at DonNACEA

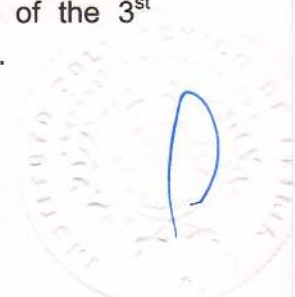
- IPL gives recognition to 102 ECTS (subjects of the 1st and 2nd semesters (60 ECTS) and the Project/Dissertation/Internship (42 ECTS)) obtained by the student enrolled at DonNACEA in the Master in Civil Engineering, for the 102 ECTS corresponding to the Master in Civil Engineering – Building Construction at IPL.

- DonNACEA gives recognition to 18 ECTS (subjects of the 3th semester) obtained by the student in Master in Civil Engineering – Building Construction at IPL, for the 18 ECTS (subjects of the 3th semester) corresponding to the Civil Engineering, at DonNACEA.

2. Students enrolled at IPL

- DonNACEA gives recognition to 102 ECTS (subjects of the 1st and 2nd semesters (60 ECTS) and the Project/Dissertation/Internship (42 ECTS)) obtained by the student enrolled at IPL in the Master in Civil Engineering - Building Construction, for the 102 ECTS corresponding to the Master in Civil Engineering at DonNACEA.

- IPL gives recognition to 18 ECTS (subjects of the 3st semester) obtained by the student in Master in Civil Engineering at DonNACEA, for the 18 ECTS (subjects of the 3st semester) corresponding to the Civil Engineering – Building Construction at IPL.



Section 3

The weighted average of the students' grades obtained at IPL will be assigned, as its grade, to each of the DonNACEA courses passed by means of recognition according to the following table.

Grade description	DonNACEA	IPL
<i>Excellent</i>	90-100	19-20
<i>Very Good</i>		17-18
<i>Good</i>	74-89	14-16
<i>Satisfactory</i>	60-73	10-13
<i>Unsatisfactory</i>	0-59	0-9
<i>Failed to appear</i>	No grade	No grade

Any possible conflicts about the mechanism of grade conversion shall be solved by the Academic Commission of the Double Master Degree and accepted by both parties.

Section 4

Students from IPL and DonNACEA taking part in the double programme must successfully complete a master thesis at IPL and DonNACEA. Any master thesis presented and defended under this programme must fulfil the requirements for such works established by both institutions, and each institution will provide the necessary mechanisms for evaluation of the master thesis.

Section 5

Students enrolled in the Double Master degree will have to be awarded, directly or by recognition:

- A minimum of 120 ECTS at IPL to obtain the title of Master in Civil Engineering-Building Construction, and
- A minimum of 120 ECTS at DonNACEA to obtain the title of Master in Civil Engineering.

Students will receive both degrees in two years, after they have successfully finished all the courses of the Double Master Degree.

Section 6

IPL reserves the right to establish other national and /or international agreements related to the Master in Civil Engineering-Building Construction.

DonNACEA reserves the right to establish other national and/or international agreements related to the Master in Civil Engineering.