

Financial

Mathematics

| | SEMESTER 1 | | | | SEMESTER 2 | | | | |
|--------------------------|------------|---|---|-----------------|------------|---|---|-------|--|
| SUBJECTS | HOURS | EVALUATION Continuous Assesment Coeff. 1 | EVALUATION Final Examination Coeff. 3 | ECTS* | HOURS | EVALUATION Continuous Assesment Coeff. 1 | EVALUATION Final Examination Coeff. 3 | ECTS* | LEARNING OBJECTIVES |
| | | | | MODULE 1 - LAW | | | | | |
| Introduction To Law | 24 h | 1 cc | written exam 2h | 2 ects | | | | | Acquire basic knowledge of fundamental concepts of law (the nature of law, sources of law, basics of subjective law, classification of rights, evidence) as well as basic legal terminology and concepts. Understand the French judicial organization and the main rules of jurisdiction. Identify most important legal professions and their organisation. Understand all the stages of a trial. Learn alternative dispute resolution methods. Analyze differences among different European law systems. |
| Urban Planning Law | 24 h | 1 cc | written exam 2h | 2 ects | | | | | Gain knowledge and practice of urban planning law. Analyze all the planning documents, management tools and various requests for planning permission. Identify regulatory urban planning practices in France and Europe. |
| | | | MODULE 2 - | ECONOMICS AND M | MANAGEMENT | | | | |
| Real Estate Economics | 24 h | 1 cc | written exam 2h | 2 ects | | | | | Acquire essential knowledge necessary for real estate market analysis: supply, demand, price formation, types of markets. Identify different types of properties and services in real estate. Identify business strategies in the real estate sector: business structures and clustering. Link theory to economic mechanisms in the real estate area. Understand how the french and european market works in general and especially the real estate market (DiPasquale-Wheaton model). Understand the concept of a real estate cycle. |
| Urban Economics | 24 h | 1 cc | course- work | 2 ects | | | | | Analyse the evolution of urban systems (development of large cities and small towns), metropolisation, urban system, economic and demographic dynamics. Understand the internal organization of cities and its transformations: inner and outer suburbs, secondary centres, specialization / functional diversity of space, urban sprawl or densification, urban externalities. Identify the levers of city council policies: cost of urban growth, infrastructure and urban development, urban externalities and territorial governance. |
| | | | | | | | | | Be able to calculate simple and complex interests, capitalization and actualization process. |

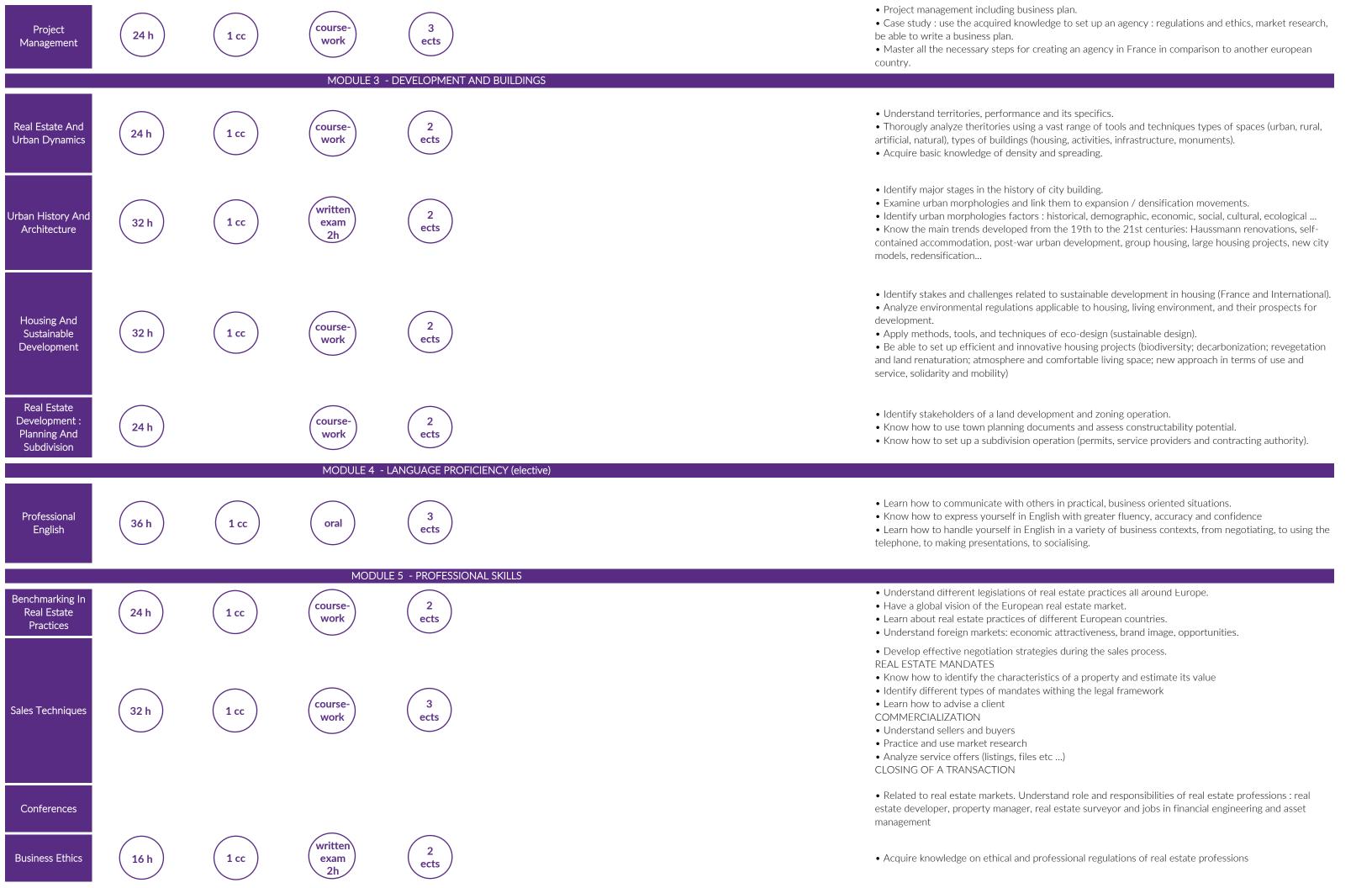
• Learn how to calculate self-financing capacity and cash flow.

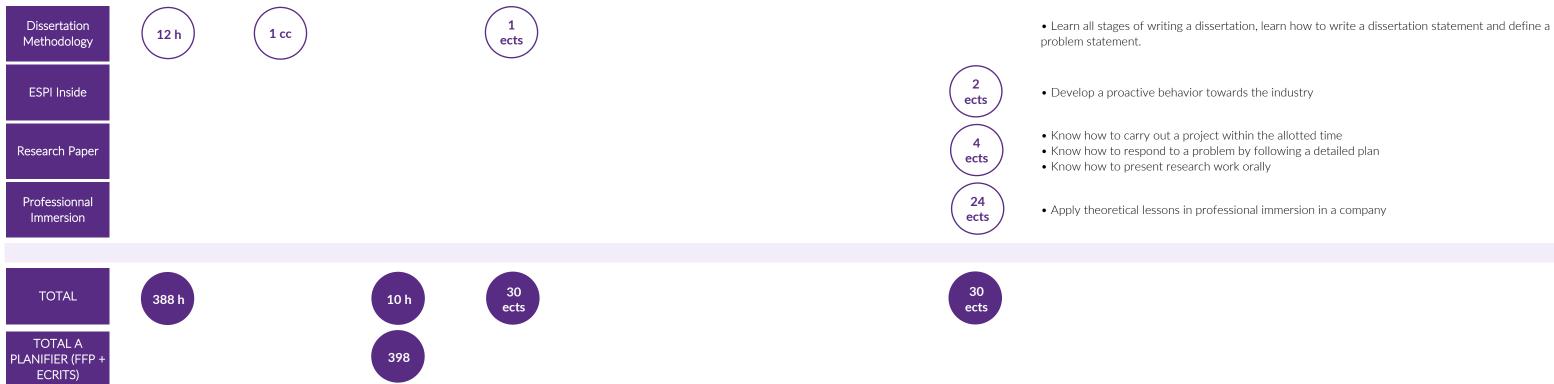
return, the discounted payback period and the payback period.

• Being able to choose between several investments.

• Be able to calculate the net present value, the profitability index of an investment, the internal rate of

• Gain knowledge on different factors to be considered before making an investment.





*ECTS: The European Credit Transfer System is designed to make it easier for students to move between European countries and to have their academic qualifications and study periods abroad recognised. 60 ECTS credits are the equivalent of a full year of study or work.

Provisional academic programme 2021-2022 Non-contractual document