UNIVERSITÀ
DEGLI STUDI
FIRENZE

DiDA – DIPARTIMENTO DI ARCHITETTURA/ARCHITECTURE DEPARTMENT
C.d.L ARCHITETTURA MAGISTRALE – Curriculum in **ARCHITECTURAL DESIGN** - **iCAD -** Class LM-4 coc. B076
a.a.2022-23

ARCHITECTURE AND ECONOMIC FEASIBILITY

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Overview
The course is focused on feasibility studies that are carried out in the very early stage of the project. The specific educational purposes, are aimed at providing skills in the feasibility areas with particular focus on economic feasibility. Class will have theoretical lectures, videos and practical works and a further discussion will integrate the comprehension of theoretical and operative elements. The students will also analyze building construction costs.

Topics :
Technical Feasibility
We will explore methodologies to assess the technical viability of a project. The technical feasibility includes looking at the organization's capacity to ascertain if the project can be undertaken. Furthermore, various other factors are assessed, such as; required manpower skills, availability of required services and resources, licensing requirements, available technology, etc.
Economic Feasibility
Economic feasibility looks at the requirements to undertake the project, such as construction and management costs, financing needs, economic forecasts, etc. It also entails an analysis to determine if the investment worths the money. The economic feasibility analyzes aspects such as the expected breakeven point and profits, to understand if the project can be financially profitable.
Legal Feasibility
There can be a range of legal issues related to a project. These might include licensing requirements, patents, protection in the country's legislation (or the lack of it) for the type of investment being made and the like. Companies can run into a large range of issues regarding the execution of a project if it fails to comply with the country 's legal system.
Operational Feasibility
It is necessary to measure how well a proposed building can resolve problems and make use of available opportunities in the execution of a project. It also analyzes the degree to which a project responds to the current environmental goals, organizational culture and business processes.
Scheduling Feasibility
Even a high-quality project can fail if it cannot meet the required deadlines. Moreover, any increase in the time needed to complete a project can result in cost overruns. The scheduling feasibility looks at the time needed to complete the major activities and the project itself, as well as at possible constraints which might cause delays. It looks at everything from the construction, production capacity to the supply chain and other related options which might affect the project's timeline.

Teaching Methods and Assignments
Videos will integrate lectures and practical exercises (individual or in group) about each different topic and students will be actively involved in presentation, review and discussion of different assignments.
The exercises are mandatory and would be collected as part of the final exam that will be in the form of written questions.

Common rules
During class it is forbidden to use cell phones, drink and eat, and listen to music, talk loud or act in any way to disturb, etc.. The student has to be present at each lecture and each desk critique/review. Each project/assignment deadline as scheduled is mandatory.

Recommended Texts
A list of papers related to the topics of the course will be provided to the students
Elemental Standard Form of Cost Analysis – Principles, Instructions, Elements and definitions -Published by BCIS- RICS 2012