



جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

— عمادة البحث العلمي —
Deanship of Scientific Research

The Definition of research laboratories

In College of
**ARCHITECTURE
AND PLANNING**



The college of Architecture and Planning has a number of research laboratories that support students in achieving their scientific ambitions, including:

Lab Name

Lab Definition

Building Acoustics Lab

Building Acoustics Lab. is dedicated for the noise control, the acoustical insulation and the sound quality measurements for both research are performed according to ISO

Geotechnical Lab

This lab is dedicated to testing soils for engineering purposes. For example, to determine bearing capacity of soil for building foundations.

Structure materials lab

It is interested in studying the characteristics proprieties of building materials of all kinds and knowing their specifications according to national and international standards. It also manufactures concrete mixe design that meet the needs of the local market

Lab Name**Lab Definition****Non Destructive testing lab (NDT)**

It studies the condition of existing buildings, performs non-destructive tests to determine their efficiency, strength, density and durability. As well as showing existing and hidden defects such as cracks, distribution of reinforcing bars and their condition (such as corrosion, ...)

Thermal and Energy Lab

The laboratory is dedicated for the teaching and research activity for both students and faculty members related to thermal and energy performance of building structures and built environment. It is equipped with latest devices and equipment in accordance with the international standards, to conduct lab and field experiments.

Lighting Lab

The laboratory is dedicated for the teaching and research activity for both students and faculty members related to illuminance and daylighting. It is equipped with latest devices and equipment in accordance with the international standards, to conduct lab and field experiments.

Surveying Lab

This lab serves second-level students in the College of Architecture and Planning. It helps students how to measure distances, areas, elevations and coordinates, in setting out buildings and re-plans them, and how to make a contour map.





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