

# AHAL223 : Physics and Instrumentation

Principles of sound propagation and tissue interaction are addressed including reflection, refraction, absorption and attenuation, the piezoelectric effect, transducer characteristics, focusing and resolution. This course also focuses on the principles of pulse-echo imaging, methods of storage and display, recognition of artifacts, safety and quality assurance.

**Credits** 4

**Prerequisite Courses**

MATH105

PHYS105

PHYS210