

Objective - Student will understand the physics of various equipment used in cardiac care and learn about the handling of machine

- UNIT - 1** Introduction to medical physics, Blood pressure recording, Pressure transducers, Defibrillators
- UNIT - 2** Cathode ray tubes and physiological monitors, Impedance plethysmography, Pulse oximetry
- UNIT - 3** Medical ultrasound and Doppler, Ionic currents and Electrocardiography, Electrocardiographic processing and display system, Radiation physics
- UNIT - 4** Techniques of monitoring radiation exposure, Measures to reduce radiation exposure, Computer use in medical care and data entry

Recommended Books:

- Feigenbaum's Echocardiography- Latest edition
- The Echo Manual- From the Mayo Clinic- Latest edition
- Schamroth-An Introduction to Electrocardiography
- Marriott's practical Electrocardiography