

# ANS5100 : Physics of Anesthesia

Investigate the basic physical principles and processes applied to the clinical practice of anesthesia, including gas laws, fluid mechanics, heat transfer, vaporization, diffusion, solubility, and time constants. Examine the hazards of anesthesia and the surgical environment to patients and providers, including fire, lasers, and ionizing radiation. Apply the principles of electrical circuit theory as a model for anesthesia equipment and physiologic systems.

**Credits** 2.0

**Prerequisites**

Admission to the Anesthesiologist Assistant Program

**Corequisites**

None