

# ANAT 805 : Biomedical Research Methods

The students will explore basic and modern methods for the study of cells and tissues, including biotechnology of laboratory animals and use and care of laboratory animals to be discussed. The course will foster the understanding of the principles and practice of tissue culture and tissue processing for insitu localization of cellular and subcellular molecules by chemical and immunological reactions, as well as dye staining techniques. The research idea will be examined to identify the role of critical thinking in problem solving. Critical review of biomedical literature as well as the capacity to develop high quality research proposals will form a major focus of the course.

## **Core Course**