

Branch Name:	B.Sc. AT
Program Code:	AS103
Course Title:	Anaesthesia Pharmacology
Course Code:	1AS1030201
Pre-requisite Course:	

Course Objectives:

The course is designed to provide students with the knowledge and skills required to work in operation theatres and assist anesthesiologists in the safe & efficient delivery of patient care during surgical procedures.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
03	-	02	04	50	50	25	25	150

Course Contents:

Unit No	Topic	Total Hours
1	PHYSIOLOGY & PHARMACOLOGY	30
	1 Basic principles of physiology & pharmacology of Anaesthesia	
	2 Intravenous sedatives & anaesthetics	
	3 Inhaled anaesthetic agents	
	4 Pain Physiology	
	5 Neuromuscular physiology	
	6 Neuromuscular blocking drugs and reversal agents	
	7 Opioid agonists and antagonists	
	8 Non- opioid analgesics	

Practical's

Unit No	Topic	Total Hours
I	Clinical Physiology and Pharmacology	30

Text Books/Reference Books:

1. Lee's Synopsis of Anesthesia by J N Cashman & J E Dinsmore
2. Miller's Anesthesia by Miller
3. Drugs in Anesthesiology by Vipin Kumar Dhama
4. Pharmacology & Physiology in Anesthesia Practise by Flood, Rathml& Shafer

Course Learning Outcomes (CLO):

Upon completion of a course students should have proper knowledge of drugs and anesthetic agents. Students should have knowledge of technical aspects anesthesia care, so they can assist anesthesiologists in administering different type of anesthesia.