BI 233 General Course Objectives

	General Course Objectives	Core Learning Outcomes
	Upon successful completion of this course, the student should be able to:	
1	Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology	Communicate effectively
2	Describe the structure and /or function (physiology) of the respiratory, digestive, urinary, endocrine and reproductive systems as well fluid- electrolyte and acid-base balance and heredity at the different organizational levels and explain the interrelatedness within and between systems of the human body	Apply learning; Communicate effectively
3	Recognize and explain the principle of homeostasis and describe how feedback loops are utilized to achieve homeostasis and control physiological systems in the human body	Apply learning; Think critically; Communicate effectively
4	Use anatomical knowledge to predict or explain physiological consequences, and use knowledge of function to predict or explain the features of anatomical structures	Create ideas and solutions; Think critically; Apply learning; Communicate effectively
5	Demonstrate laboratory procedures used to examine anatomical structures and evaluate physiological functions of the respiratory, digestive, urinary, endocrine and reproductive systems as well fluid- electrolyte and acid-base balance and heredity	Apply learning; Communicate effectively
6	Utilize histological techniques and/or other appropriate technology to identify structures within the organ systems studied in BI233	Apply learning; Communicate effectively
	Analyze anatomical and physiology data and/or interpret graphs including those related to pulmonary, renal, gastrointestinal and endocrine function as well data related to fluid-electrolyte and acid-base balance. Conduct and interpret pulmonary flow recordings and urinalysis	Think critically; Apply learning; Communicate Effectively
8	Approach and examine issues related to the respiratory, digestive, urinary, endocrine and reproductive systems as well fluid- electrolyte and acid-base balance and heredity using current best scientific evidence	Think critically; Apply learning; Communicate Effectively
9	Link new knowledge to relevant prior knowledge to make connections between anatomy and physiology and human health and disease including the impacts of genetic disorders, lifestyle, economic and environmental challenges on human health	Think critically; Apply learning; Communicate Effectively