



Course Competency Report by Code

Code: AOT1

Anatomy and Physiology Part II (AOT1)

Course of Study: AOT1 - Anatomy and Physiology Part II
Course Level: Undergraduate
Course Division: Upper Division Major
Discipline: General Natural Science
Course Type: One Assessment
Department: Science

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
211.3.1	Metabolism	The graduate determines levels of blood metabolites, determines the effect of diet on blood levels of metabolites, explains regulation of blood glucose, recognizes the effect of exercise on plasma glucose levels, and recognizes the effect of diabetes on plasma glucose and ketones.
211.3.2	Homeostasis	The graduate determines the effects of given factors on enzyme action and explains specific effects of given types of enzyme activity.
211.3.3	Fluid Balance	The graduate determines the effect of given levels of hydration on urine output, explains factors affecting urine output, and explains how diabetes affects the need for fluid intake.
211.3.4	Oxygenation	The graduate measures properties of ventilation and gas exchange, discusses the role of gas pressure and pH on ventilation, calculates measure of effective heart functioning, recognizes the effect of exercise on cardiac function, and discusses how cardiac and pulmonary function maintain states of homeostasis in oxygenation.
211.3.5	Mobility	The graduate measures muscle stimulation, recognizes the effect of muscle fiber length and stimulus on muscle contraction, and explains how botulism affects muscle contraction.