

**Bio 250 SLO Statement**

**Updated Spring 2015**

- 1) An individual has been shot and lost a lot of blood. Blood volume is dropping, how would aldosterone, ADH, renin/angiotensin react to this blood lost?  
***[Lecture Exam as a Short Answer Question]***
- 2) Compare and contrast the adaptive and innate immune response.  
***[Lecture Exam as a Short Answer Question]***
- 3) Explain the electric pathway of the cardiac conduction system, include how the electrical signals through the heart is interpreted through an EKG record.  
***[Laboratory practical exam or laboratory report write-up as a short answer question]***
- 4) What are the effects of specific gravity, urine output volume, and salt concentration when you ingest a hypertonic, hypotonic, and isotonic solution?  
***[Laboratory practical exam or laboratory report write-up as a short answer question]***

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**Bio 251 SLO Statement**

- 1) Describe the differences between graded potentials and action potentials of neurons.  
***[Lecture Exam as a Short Answer Question]***
- 2) Describe the role of ions and proteins within the sliding filament model of muscle contraction. How do cross-bridge power strokes bring about the shortening of the muscle fiber?  
***[Lecture Exam as a Short Answer Question]***
- 3) Describe the process of photo-transduction.  
***[Laboratory practical exam or laboratory report write-up as a short answer question]***
- 4) Describe the effect of temperature, pH, and enzyme concentration on enzyme activity.  
***[Laboratory practical exam or laboratory report write-up as a short answer question]***

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**For all SLO statements:**

Outcome criteria / grading rubric:

- Students score at least 70% or better will be deemed as “Satisfactory” (passing grade) and below 70% as “Unsatisfactory” (failed grade)