

SLO1 – Part 1: How well are you able to overcome technical problems in the lab?

1	2	3	4
I always have difficulty resolving technical problems	I sometimes have difficulty resolving technical problems	I am usually able to resolve technical problems	I am always able to resolve technical problems

SLO1 – Part 2: How well are you able to correct flawed experimental designs?

1	2	3	4
I always have difficulty correcting flaws in design	I sometimes have difficulty correcting flaws in design	I am usually able to correct flaws in design	I am always able to correct flaws in design

SLO1 – Part 3: How well are you able to solve scientific problems?

1	2	3	4
I always have difficulty solving scientific problems	I sometimes have difficulty solving scientific problems	I can usually solve the problem	I can always solve the problem

SLO2: How well are you able to recognize and analyze patterns among data?

1	2	3	4
Patterns in the data are never obvious to me	Sometimes I can recognize patterns in the data, but I have trouble analyzing them	I can usually recognize and analyze patterns in data	I always see patterns (if there are any) and am able to analyze them

SLO3 – Parts 1 & 2: How well are you able to critically evaluate experiments?

1	2	3	4
I seldom find flaws in experimental design, methods, or conclusions and almost always believe the author(s) of the study	Sometimes I find small flaws in experimental design, methods, or conclusions, but I usually believe the author(s) of the study	I often find small flaws in experimental design, methods, or conclusions, and sometimes I consider them to be significant	I often find major mistakes in logic, experimental design, methods, or conclusions that make me skeptical of the authors' work or interpretations

SLO3 – Part 3: How good are you at drawing reasoned conclusions from data?

1	2	3	4
I often have difficulty discerning a reason/reasons for patterns in data	I am sometimes able to see a reason/reasons for patterns in data	I am usually able to discern a reason/reasons for patterns in data	I am always able to find a reason/reasons for patterns in data

SLO4 – Part 1: Rate your computerized data acquisition skills.

1	2	3	4
I have difficulty understanding and/or following equipment instructions	I am able to follow the manual & collect data but can not troubleshoot if something goes wrong	I am comfortable creating custom settings, calibrations, etc.	I can manipulate equipment and software and even assist others when needed

SLO4 – Part 2: Rate your web-based dissemination skills.

1	2	3	4
I understand the basic functions of the internet, but I can't make a web page	I can generate a simple web page	I can prepare a lab report in html format with data & images and load it to my web site	I can create an interactive web page with links, downloadable pdf, etc.

SLO5 – Part 1: How well are you able to interpret physiological studies?

1	2	3	4
I always have difficulty finding an explanation for physiological data based on my knowledge of physiology	I sometimes have difficulty finding an explanation for physiological data based on my knowledge of physiology	I can usually develop an explanation for physiological data based on my knowledge of physiology	I can always find an explanation for physiological data based on my knowledge of physiology

SLO5 – Part 2: Are you able to draw parallels between animal and plant physiology?

1	2	3	4
I see no commonalities between the physiological systems of animals and plants	I see only a small degree of commonality between the physiological systems of animals and plants	I see several commonalities between the physiological systems of animals and plants	There are many commonalities between the physiological systems of animals and plants