|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Self Assessment: Biological Skills** | | **STRONGLY AGREE** | **AGREE** | **DISAGREE** | **STRONGLY DISAGREE** |
| 1 | I think I understand what is meant by “primary literature”. |  |  |  |  |
| 2 | I think I am capable of using databases (i.e. PubMed) to find scientific articles. |  |  |  |  |
| 3 | I think I am proficient at reading and understanding scientific articles |  |  |  |  |
| 4 | I think I am proficient at interpreting data from scientific articles (i.e. graphs, charts, gels, etc). |  |  |  |  |
| 5 | I think I am proficient at writing scientific literature. |  |  |  |  |
| 6 | I think I am proficient at orally presenting scientific content. |  |  |  |  |
| 7 | I think I am capable of performing scientific research when provided a step-by-step protocol. |  |  |  |  |
| 8 | I think I am capable of developing my own step-by-step protocol and performing scientific research. |  |  |  |  |
| 9 | I think I am capable of analyzing data from my own research and creating the appropriate figures for presentation (i.e. graphs, charts, gels, etc). |  |  |  |  |
| 10 | I think I am capable of performing scientific calculations and unit conversions. |  |  |  |  |
| 11 | I think I am capable of diluting solutions to the necessary concentration. |  |  |  |  |
| **Self Assessment: Biological Concepts** | | **STRONGLY AGREE** | **AGREE** | **DISAGREE** | **STRONGLY DISAGREE** |
| 12 | I have a clear understanding of the central dogma. |  |  |  |  |
| 13 | I have a clear understanding of benign polymorphisms. |  |  |  |  |
| 14 | I have a clear understanding of transformation. |  |  |  |  |
| 15 | I have a clear understanding of positive and negative selection after transformation. |  |  |  |  |
| 16 | I have a clear understanding of scientific calculations and unit conversions. |  |  |  |  |
| 17 | I have a clear understanding of the relationship between protein structure and function. |  |  |  |  |
| 18 | I have a clear understanding of why and how site mutations affect protein structure and function. |  |  |  |  |
| 19 | I have a clear understanding of the need for the use of model systems (i.e. cell culture, animals, imaging, etc) in research. |  |  |  |  |

Based on your personal opinion please state to what degree you agree or disagree with the following statements.

Questions on demographics:

1. I am currently a
   1. freshman
   2. Sophomore
   3. Junior
   4. Senior
   5. It is complicated – I am a Transfer student
2. I am taking Bio 125 (indicate all that apply)
   1. For the first time
   2. Second time with the same instructor
   3. Second time with a different instructor (name of the instructor\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
   4. To improve a failing grade (indicate the grade \_\_\_\_\_\_)
   5. To improve a grade (indicate the grade \_\_\_\_\_\_\_\_\_\_\_\_)
3. When it comes to my research experience the following is true:
   1. I am new to the lab space - I have no experience
   2. I have some experience (did one summer project)
   3. I have lots of experience – I worked with a faculty for more than 1 semester

If you have no research experience you can skip the following questions

1. Indicate the name of a faculty member you have worked with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Is this a Spelman college faculty member
   1. Yes
      1. Which department\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. No
      1. Which university/college are they affiliated with\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* + 1. Which department are they affiliated with\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the topic of your project \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I have presented my project on a national conference
   1. Yes I have
   2. No, not yet
2. If you have presented the project what was the form of the presentation?
   1. In a form of a poster
   2. I gave at least a 10 minute talk
3. If you have research experiences with multiple faculty members please indicate each of their names, if they are a Spelman faculty,(if not indicate the details of their affiliations, department), and names of the projects\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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