

Assessing Bio 4342....**Spring 2005**

Please give a number for each statement, indicating whether you disagree completely (1), disagree somewhat (2), neither disagree nor agree (3), agree somewhat (4), or agree completely (5).

1. Before the course, I understood how the human genome had been sequenced. ____
2. After the course, I understand how the human genome has been sequenced. ____
3. I now have a better understanding of how genomes are organized. ____
4. I now have a better understanding of the nature of genes. ____
5. I now have a better understanding of human genetic disorders. ____
6. The course helped me to improve my wet lab skills. ____
7. The course helped me to improve my computer skills. ____
8. We spent too much time standing around watching things at the GSC. ____
9. I would like to do more hands-on sample prep myself, even if it takes a lot of class time. ____
10. I would like to skip the sample preparation altogether- didn't get much out of it. ____
11. The staff at the GSC were very friendly and helpful. ____
12. The demonstrations and exercise using Phred/Phrap/Consed gave me a good introduction. ____
13. I would like to have more time on finishing- designing the experiments to close gaps, etc. ____
14. We spent too much time on finishing- I could have learned the concepts without all of the hard work of actually doing it ____
15. I don't understand why the GSC worries about how much data they get per dollar. ____
16. The lectures at the GSC where pitched at about the right level. ____
 too high ____ too low ____ too much jargon! ____
17. Dr. Elgin often asked questions during lecture- and I'm glad someone asked. ____
18. The CS lectures by Shaffer, Yun, Buhler, and Brent were pitched at the right level. ____
 too high ____ too low ____; and gave the right amount of information ____

too much _____ too little _____.

19. Working together (in the same room) on the computer labs was beneficial. _____
20. I would have preferred working alone on the computer, with access to more office hours.

21. The problem sets and practice on contig95 gave me adequate preparation for the final annotation problem. _____
22. I read all of papers on which I wrote a reflection _____ and understood them _____.
23. I used the recommended textbook (Pevsner). _____
24. I used the "Current Protocols in Bioinformatics" web site. _____
25. Writing "reflections" helped me read in a thoughtful way. _____
26. I didn't like being responsible for our own computers- better to have a fixed computer lab.

27. I felt the workload was adequately balanced over the semester. _____
28. The lectures by Elgin adequately developed the scientific goals of our research project. _____
29. I felt a sense of accomplishment on finishing my fosmid. _____
30. I felt a sense of accomplishment on annotating my fosmid. _____
31. It was obvious that no one faculty member had the expertise to teach the whole course. _____
32. The TAs were essential to my success in the course. _____
33. The TAs helped us too much- I would of learned more if I had to. _____
34. A check list for finishing & expectations for annotation were provided in a timely manner.

35. The number of required readings was reasonable. _____
I would have preferred more background reading _____ or less _____.
36. The course schedule was reasonable (blocks of time) _____ total time _____.
37. The course met my expectations. _____

38. Genomics is awesome! _____ I love the power of the data bases! _____

Other messages for the instructors (to improve the course):

Messages for WU and HHMI (is this course a worth while component of the curriculum? worthy of continued funding?)

What I gained from Bio 4342....

Goal	No	Some....	Yes
Enhancement of professional or academic credentials			
Clarification of a career path			
Developing a continuing relationship with a faculty member			
Learning to work independently			
Understanding of the research process in the field			
Learning a topic in depth			
Tolerance for obstacles faced in research process			
Self-confidence			
Sense of accomplishment			
Understanding of how scientists work on real problems			
Laboratory techniques			
Understanding of how scientists think			
Readiness for more demanding research			
Opportunities for publication			
Ability to analyze data (or information)			
Sense of contributing to a body of knowledge			
Ability to solve technical or procedural problems			
Learning to persevere at a task			
Skill in oral communication			
Ability to read and understand primary literature			
Ability to integrate theory and practice			
Increased interest in a genomics			
Opportunities for networking (e.g., contacts in career, grad school)			
Ability to collaborate with other researchers			
Understanding of science			
Skill in the interpretation of results			
Understanding of the personal demands of a career in genomics			
Computer skills (either user or programmer)			
Skill in the use of research instruments (other than computers)			

Goal	No	Some...	Yes
Understanding of how current research ideas build upon previous studies			
Becoming part of a learning community			
Ability to employ appropriate design methods			
Development of an independent perspective			
Ability to locate and identify the relevant literature			
Ability to see connections to college course work			
Skill in science writing			
Understanding that scientific assertions require supporting evidence			
Skill in how to do an effective poster presentation			
Skill at proposing a reasonable hypothesis or thesis			
Understanding of how knowledge is constructed in genomics			
Skill in leadership			
Understanding of professional behavior in biology research			
Learning ethical conduct in your field			
Critical evaluation of hypotheses and methods in the literature			
Ability to collect data (or information) according to a reasonable plan			
Skill in visual communication			
Learning safety techniques appropriate for genomics			
Skill in how to give an effective oral presentation			
Skill in discussions with student and faculty colleagues			
Other.....			