Appendix C: Student Post-GCAT Survey

Knowledge Questions (Appendix D)

What grade do you expect to achieve in this course?
A
B
C
D
F
Other (please specify)

Using the GCAT materials, were you able to…
Make your own probe
Get the chips scanned
Get useable data from the chips
Analyze your own data

What software did you use for analysis?
MAGIC Tool
GenePix
ScanAlyze
JTreeView
GeneSpring
Other (please specify)

For the following activities, please rate the effectiveness of each activity at improving your understanding and interest in the material. If you didn’t engage in an activity, please select “Not Applicable”.
1 = Not effective at all, 7 = highly effective

Practicing data analysis before I began analyzing my own data
Isolating RNA or genomic DNA to produce probe
Producing the fluorescently-labeled probe
Hybridizing the probe with the spotted DNA
Designing my own experiment
Analyzing data from public domain source
Reading papers that used DNA microarrays

In regards to the genomics part of the course or lab experience, list the top three aspects that hindered your learning the material well.

In regards to the genomics part of the course or lab experience, list the top three aspects that helped you learn the material best.

What part of the process was the hardest for you to understand?