

## PRE/POST SURVEY FOR SEMINAR COURSES IN THE NATURAL SCIENCE

**INFORMATION FOR INSTRUCTORS:** Prior to administration of this survey instrument, please read to the class the informed consent statement below. After administration, place surveys in a sealed envelope and return to either Dr. Tonya Train or Dr. Yuko Miyamoto (CB#2625).

**INFORMED CONSENT:** The goal of this survey is to assess your comfort with and perceived competency in science communication. The survey will be administered prior to taking this course and again at its conclusion and will take approximately 5 minutes to complete. Completed surveys will be kept in a sealed envelope and will not be opened until course grades are submitted. Participation is anonymous, voluntary and in no way will impact your grade. To indicate consent to participate please check the “agree to participate” box.

**BY CHECKING THIS BOX I ACKNOWLEDGE THAT MY PARTICIPATION IS VOLUNTARY. AGREE TO PARTICIPATE**

### DEMOGRAPHIC INFORMATION:

What is your gender?

What is your career goal?

Indicate, yes or no, if you are in an Elon Fellows program:

List any other majors:

List any minors:

What is your current GPA (approximate)?

In what year do you plan to graduate?

How many credits of independent research have you completed at Elon?

How many summers of SURE have you participated in?

How many months have you participated in research outside of Elon?

Have you given a scientific research presentation (not course-related)?

### SURVEY QUESTIONS:

*Please answer the question below, using the following scale:*

*1- strongly disagree, 2 – disagree, 3- neutral, 4- agree, 5- strongly agree, n/a – not applicable*

- |   |   |   |   |   |   |     |
|---|---|---|---|---|---|-----|
| 1) I can competently search the primary scientific literature using standard databases: | 1 | 2 | 3 | 4 | 5 | n/a |
| 2) I can differentiate between primary and secondary literature sources:                | 1 | 2 | 3 | 4 | 5 | n/a |
| 3) I know the major components of a research article:                                   | 1 | 2 | 3 | 4 | 5 | n/a |
| 4) I can, generally, identify the purpose and hypothesis of a research article:         | 1 | 2 | 3 | 4 | 5 | n/a |
| 5) I am comfortable presenting in front of an audience in general:                      | 1 | 2 | 3 | 4 | 5 | n/a |
| 6) I can give a high quality presentation in general:                                   | 1 | 2 | 3 | 4 | 5 | n/a |
| 7) I am comfortable presenting <u>scientific</u> information (orally):                  | 1 | 2 | 3 | 4 | 5 | n/a |
| 8) I can give a high quality <u>scientific</u> presentation:                            | 1 | 2 | 3 | 4 | 5 | n/a |
| 9) I am comfortable presenting <u>scientific</u> information in a poster format:        | 1 | 2 | 3 | 4 | 5 | n/a |
| 10) I can deliver a high quality poster presentation:                                   | 1 | 2 | 3 | 4 | 5 | n/a |
| 11) I feel comfortable writing in general:  | 1 | 2 | 3 | 4 | 5 | n/a |
| 12) I can write a high quality paper in general:  | 1 | 2 | 3 | 4 | 5 | n/a |
| 13) I am comfortable with <u>scientific</u> writing:                                    | 1 | 2 | 3 | 4 | 5 | n/a |
| 14) I can write a <u>scientific</u> review paper of high quality:                       | 1 | 2 | 3 | 4 | 5 | n/a |
| 15) I can write a <u>scientific</u> research paper of high quality:                     | 1 | 2 | 3 | 4 | 5 | n/a |

Please list any experiences which you believe have strengthened your science communication skills: