

## Online Supplement 2: Student and Advisor Surveys

### *Student Survey*

This survey is aimed at gathering information from students in the SOEST Scholars and 'Ike Wai Scholars programs. It will take about 10 minutes to complete. Your participation is voluntary and you can stop at any time. The information you provide will be used to improve our programs and document their outcomes. It will NOT be used to determine your future participation in our programs. Please answer honestly.

If you have any questions about this survey, please contact Dr. Barbara Bruno at (808) 956-0901. If you have any questions about your rights as a research participant, please contact the University of Hawai'i Committee on Human Studies at (808) 956-5007.

NOTE: Throughout this survey, the term STEM is used. This term means Science, Technology, Engineering, and Mathematics.

### **Part I: Questions About You**

1. Student Code (please do not type student name): \_\_\_\_\_

2. Tell us about your degree/major:

2a. What campus are you currently attending? (Please select all that apply)

- University of Hawai'i at Mānoa
- University of Hawai'i Hilo
- Kapi'olani Community College
- Other (please specify): \_\_\_\_\_

2b. What is the next degree you expect to receive? Note: Only check 2 degrees if you plan on getting both at the same time.

- AA
- ASNS
- BA
- BS
- Other (please specify): \_\_\_\_\_

2c. What is the subject area of your next degree?

Example #1. ASNS Life Science

Example #2. BS Global Environmental Science

\_\_\_\_\_

2d. When do you expect to receive your next degree?

Month                      Year

Select the month & year:        \_\_\_\_\_        \_\_\_\_\_

3. Please use the following scale to self-assess your performance as an undergraduate researcher, relative to what can be reasonably expected of a student at your level. *Please answer honestly. Your replies will not be shared with your advisor(s) and will not have any bearing on your future program participation.*

Rating scale:

- (1) Unsatisfactory: Generally fails to meet the established performance standards. Improvements required for continuance.
- (2) Fair: Meets some but not all of the performance standards required.
- (3) Satisfactory: Meets the established performance standards expected.
- (4) Very Good: Generally exceeds the established performance standards.
- (5) Excellent: Consistently exceeds in achieving goals and objectives far above established standards

	Unsatisfactory	Fair	Satisfactory	Very Good	Excellent
<b>Research Productivity:</b> The amount of work that I accomplish.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Research quality:</b> The quality of work that I perform.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Motivation &amp; Initiative:</b> My self-motivation and willingness to take initiative, as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Organizational Skills:</b> My ability to organize tasks in an efficient manner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Communication Skills:</b> My verbal and written communication skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Professionalism:</b> My ability to behave in a professional manner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Cooperation:</b> My ability to work as a member of a research group or team.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Independence:</b> My ability to work independently, as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Self-Appraisal:</b> My ability to analyze my performance and to make constructive efforts to improve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Time &amp; Attendance:</b> My ability to maintain agreed-upon research hours and schedule.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Growth:** Overall, the amount that I have grown/improved over the course of the internship.

4. Have you attended a professional conference within the past 12 months?

- Yes
- No

4a. How many professional conferences have you attended in the past 12 months?

- 1
- 2
- 3
- 4
- 5 or more

**Part II: Questions about the Scholars Program**

5. Please indicate your level of agreement with each statement.

*Compared to before I started the Scholars Program, I now...*

	Strongly Disagree	Disagree	Not Sure	Agree	Strongly Agree
...work more independently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...take more initiative to problem-solve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...am more confident about my STEM abilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...have a larger professional network.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...am more interested in attending graduate school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...am more excited about STEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...have a better understanding of how to succeed in school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...have a better understanding of how to conduct research.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...am more interested in pursuing a career that includes STEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Please indicate your level of agreement with each statement below about your project advisor(s). Please answer honestly. Your replies will not be shared with your advisor(s).

*My project advisor(s) was:*

	Strongly Disagree	Disagree	Not Sure	Agree	Strongly Agree
Approachable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Available if I had a question	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Good listener(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Good role model(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Encouraging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Constructive at providing feedback on my progress	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Committed to providing a learning experience for me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effective at mentoring me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. What did you like best about your experience in the Scholars Program?

8. What suggestions do you have for improving the Scholars Program?

9. Any other comments or suggestions?

Thank you for completing this survey. Your responses will benefit future students in our programs.

## *Advisor Survey*

This survey is aimed at gathering information from advisors in the SOEST Scholars and 'Ike Wai Scholars programs. It will take about 10-15 minutes to complete. The information you share with us will be kept strictly confidential from the student. Your participation is voluntary and you can stop at any time. Your responses will assist us in improving our programs and documenting their outcomes.

If you have any questions about this survey, please contact Dr. Barbara Bruno at [barb@hawaii.edu](mailto:barb@hawaii.edu) or (808) 956-0901. If you have any questions about your rights as a research participant, please contact the University of Hawai'i Committee on Human Studies at (808) 956-5007.

1. Advisor code (please do not type your name): \_\_\_\_\_

2. Student code (please do not type student's name): \_\_\_\_\_

3. Please use the following scale to rate your student's performance, relative to what can be reasonably expected of a student at his or her level:

Rating scale:

- (1) Unsatisfactory: Generally fails to meet the established performance standards. Improvements required for continuance.
- (2) Fair: Meets some but not all of the performance standards required.
- (3) Satisfactory: Meets the established performance standards expected.
- (4) Very Good: Generally exceeds the established performance standards.
- (5) Excellent: Consistently exceeds in achieving goals and objectives far above established standards.

	Unsatisfactory	Fair	Satisfactory	Very Good	Excellent
<b>Research Productivity:</b> The amount of work that the Scholar accomplishes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Research quality:</b> The quality of work that the Scholar performs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Motivation &amp; Initiative:</b> The Scholar's self-motivation and willingness to take initiative, as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Organizational Skills:</b> The Scholar's ability to organize tasks in an efficient manner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Communication Skills:</b> The Scholar's verbal and written communication skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Professionalism:</b> The Scholar's ability to behave in a professional manner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Cooperation:</b> The Scholar's ability to work as a member of a research group or team.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Independence:</b> The Scholar's ability to work independently, as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Self-Appraisal:</b> The Scholar's ability to analyze his/her performance and to make constructive efforts to improve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Time &amp; Attendance:</b> The Scholar's ability to maintain agreed-upon research hours and schedule.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Growth:</b> Overall, the amount that the Scholar has grown/improved over the course of the internship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Please indicate your level of agreement with each statement.

*Compared to when s/he started the Scholars Program, the student now...*

	Strongly Disagree	Disagree	Not Sure	Agree	Strongly Agree
...works more independently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...takes more initiative to problem-solve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...is more confident about his or her STEM abilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...has a larger professional network.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...is more interested in attending graduate school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...is more excited about STEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...has a better understanding of how to succeed in school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...has a better understanding of how to conduct research.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...is more interested in pursuing a career that includes STEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. In what area(s) of professional development and research skills did the Scholar excel?

6. In what area(s) of professional development and research skills should the Scholar work to improve?

7. Did advising this Scholar benefit you and/or your research?

Yes

No

If yes, how? If no, why not?

8. Would you be willing to host this Scholar again?

Yes

No

If yes, how? If no, why not?

9. Is there any additional information or support that we can provide that would be helpful to you as an advisor?

10. Any other comments or suggestions?

Thank you for completing this survey. Your responses will benefit future students in our programs.