Undergraduate Research Student

Pre-Survey
Research Self-Assessment
Spring 2016

Source:
- Buffalo State
- Undergraduate Research Office
- Permission provided by: Michael DiFonzo (difonzmj@buffalostate.edu)
- Website: http://wwwu.buffalostate.edu/undergraduateresearch/static/32.html

Student Name

Email

Outcomes

For each of the outcomes shown in the accompanying table, please assess yourself on a six-point scale, where the points on the scale are defined as follows:

5-Always displays the outcome
4-Usually displays the outcome
3-Often displays the outcome
2-Seldom displays the outcome
1-Never displays the outcome
0-Not applicable

Communication

Uses and understands professional and discipline-specific language:

Expresses ideas in an organized, clear, concise and accurate manner:

Writes clearly and effectively in discipline-specific formats:
Creativity

Brings new insights to the problem at hand:

Shows ability to approach problems from different perspectives:

Combines information in new ways and/or demonstrates intellectual resourcefulness:

Effectively connects multiple ideas/approaches:

Autonomy

Demonstrates the ability to work independently and identify when input, guidance and feedback are needed:

Accepts constructive criticism and applies feedback effectively:

Displays high level of confidence in ability to meet challenges:

Uses time well to ensure work gets accomplished and meets deadlines:

Ability to deal with obstacles

Learns from and is not discouraged by set-backs and unforeseen events:

Shows flexibility and a willingness to take risks and try again:

Practice and process of inquiry

Demonstrates ability to formulate questions and hypothesis within discipline:

Demonstrates ability to properly identify and/or generate reliable data:

Shows understanding of how knowledge is generated, validated and communicated within the discipline:
Nature of disciplinary knowledge

Shows understanding of the way practitioners think within the discipline (e.g., as an earth scientist, sociologist, artist . . .) and view the world around them:

Shows understanding of the criteria for determining what is valued as a contribution in the discipline:

Shows understanding of important current individuals within the discipline:

Critical thinking and problem solving

Trouble-shoots problems, searches for ways to do things more effectively and generates, evaluates and selects between alternatives:

Recognizes discipline-specific problems and challenges established thinking when appropriate:

Recognizes flaws, assumptions and missing elements in arguments:

Understanding ethical conduct

Shows understanding and respect for intellectual property rights:

Predicts, recognizes and weighs the risks and benefits of the project for others:

Recognizes the severity of creating, modifying, misrepresenting or misreporting data including omission or elimination of data/findings or authorship:

Intellectual development

Demonstrates growth from basic to more complex thinking in the discipline:

Recognizes problems are often more complicated than they first appear to be and the most economical solution is usually preferred over convoluted explanations:

Approaches problems from a perspective that there can be more than one right explanation or model or even none at all:
Displays accurate insight into the extent of his/her own knowledge and understanding and an appreciation for what isn't known:

**Culture of scholarship**

Is involved in the scholarly community of the discipline and/or professional societies:

Behaves with a high level of collegiality and ethical responsibility:

**Content knowledge skills/methodology**

Displays detailed and accurate knowledge of key facts and concepts:

Displays a thorough grasp of relevant research methods and is clear about how these methods apply to the research project being undertaken:

Demonstrates an advanced level of requisite skills:

**Confidence**

The assessment instrument asks for your judgment on a wide range of outcomes, and we realize that you may not be equally certain of your self-assessment for every outcome listed.

How confident are you in your skills at this time?:

Explanation for level of confidence and/or other comments about how confident you are in your answers.
1. List the major accomplishment(s) of your research/creative activity (focus on 1 or 2 major results).

2. Upload (pdf or word document (docx)) a 2-4 page summary report of your research or creative activity. Your report can include figures and/or pictures in addition to your narrative summary (does not count as part of your page limit). Please do not exceed the page limit.

3. Identify any potential publications or presentations that will result from the activities supported by your course/program.
4. Describe the impact of this experience on your plans for graduate or professional study or employment.

5. How helpful was the orientation session in preparing you to conduct your summer research project?

6. Did you keep an electronic or paper journal? How useful was keeping a journal about your project?

7. How helpful was the pre-trip session held prior to the service-learning trip.
8. Do you have any general comments or suggestions regarding this program?

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