

Undergraduate Research Rating Scale

Chemistry • Hagen Hall
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Student Name: _____ Semester: _____ Year: _____

Student is a Freshman Sophomore Junior Senior Chem 475/476 Chem 497
 1st time Researcher 2nd time Researcher 3rd or more time Researcher

A student's accomplishments in Undergraduate Research (Chem 497) or in Biotechniques (Chem 475/476) will be assessed based on the **demonstration of appropriate progress** in meeting the educational goals of undergraduate research as outlined in the Chemistry Department's Undergraduate Research policy. Rating is on the scale of 1-5, 5 being the highest. This scale is used across all of these classes.

1. Basic knowledge and understanding of the fundamentals of experimental and theoretical chemistry.

Overall Rating: _____

2. Critical thinking skills.

a. Skills in analytical thinking _____
Comments:

b. Skills in problem solving _____
Comments:

c. Skills in application of scientific methods to experimental data _____
Comments:

Overall Rating: _____

3. Skills in Laboratory Operations

a. Skills in laboratory techniques _____
Comments:

b. Skills in use of chemistry instrumentation _____
Comments:

c. Skills in experimental interpretation _____
Comments:

Overall Rating: _____

4. Ability to design and conduct chemical research projects.

a. Ability to search and understand scientific literature and scientific journals _____
Comments:

Overall Rating: _____

5. Communication skills.

a. Written communication skills _____
Comments:

b. Oral communication skills _____
Comments:

Overall Rating: _____

Signature of faculty member completing form _____ Date _____