

**RHODE ISLAND OFFICE OF HIGHER EDUCATION
PROGRAM ASSESSMENT FORM**

Please provide brief answers. This form is intended to provide summative information for use by RIOHE/RIBGHE.
RIOHE may include this information on its Web site. Institutions may also choose to include this information on their Web sites.
More detailed information may be required by your institution's academic administrators.

Institution: University of Rhode Island

Program: Chemistry

Degree: B.S. Chemistry, B.A. Chemistry, B.S. Chemistry and Chemical Oceanography, B.S. Chemistry and Forensic Chemistry

Chair: Bill Euler

Academic Year Plan: 2007/ 2008

Student Learning Outcomes	Performance Criteria	Evidence of Intentional Commitment to Address and Assess Outcome(s) across the Program	Program-Level Assessment Method(s) and Timing
<i>Upon completion of program, students are expected to (know and be able to do):</i>	<i>List specific attributes (knowledge, skills, behaviors, etc.) you expect students to exhibit that reveal achievement of specific outcome(s) assessed during this cycle.</i>	<i>Identify the collaborative means you used to ascertain that students have multiple and varied opportunities to learn a program-level outcome or outcomes, such as through curricular mapping, an audit or review of syllabi, or an inventory of teaching, learning and assessment practices.</i>	<i>Identify the direct and indirect methods you chose or will choose to gather evidence of students' attainment of the program-level outcomes.</i>
See attached spreadsheets based on the American Chemical Society accreditation standards	See attached spreadsheets based on the American Chemical Society accreditation standards	See attached spreadsheets based on the American Chemical Society accreditation standards	Laboratory reports from selected courses using defined rubrics. Initial Assessment is from CHM 335 and CHM 353.

**RHODE ISLAND OFFICE OF HIGHER EDUCATION
PROGRAM ASSESSMENT FORM**

Please provide brief answers. This form is intended to provide summative information for use by RIOHE/RIBGHE. RIOHE may include this information on its Web site. Institutions may also choose to include this information on their Web sites. More detailed information may be required by your institution's academic administrators.

Institution: University of Rhode Island

**Program: Chemistry
Degree: B.S. Chemistry
Chair: Bill Euler
Academic Year Plan: 2007/2008**

Expected Level of Achievement	Actual Level of Achievement	Analysis and Interpretation of Data	Actions	Timetable for Reassessment
<i>Identify the level of norm-based or criteria-based performance you expect graduating students to achieve.</i>	<i>Identify students' actual level of achievement against the expected performance level.</i>	<i>Identify the recommendations that emerged from your interpretation of data (such as through aggregating and disaggregating data or triangulating multiple sources of data).</i>	<i>Describe the actions you have taken (or will take) with particular focus on improving teaching and learning.</i>	<i>Identify when you have reassessed or will reassess specific outcomes to ascertain the efficacy of actions you have taken or will take. If you have already reassessed, what did you find?</i>
1. Analytical Chemistry CHM 212 CHM 414	not enough data not enough data			
2. Inorganic Chemistry CHM 402	not enough data			
3. Organic Chemistry CHM 425	not enough data			
4. Physical Chemistry CHM 335	Four years of lab reports were evaluated. Average scores using the defined rubrics were: 2005: 3.6 (24 students) 2006: 3.4 (28 students) 2007: 3.4 (26 student) 2008: 3.5 (28 students)	Rubric definitions were: 4 = Exceeds Expectations; 3 = Meets Expectations; 2 = Below Expectations; 1 = Not Acceptable. The average evaluation is above Meets Expectations.	None	Annual evaluation will continue.
5. Interdisciplinary				

**RHODE ISLAND OFFICE OF HIGHER EDUCATION
PROGRAM ASSESSMENT FORM**

Please provide brief answers. This form is intended to provide summative information for use by RIOHE/RIBGHE. RIOHE may include this information on its Web site. Institutions may also choose to include this information on their Web sites. More detailed information may be required by your institution's academic administrators.

Institution: University of Rhode Island

Program: Chemistry
Degree: B.S. Chemistry
Chair: Bill Euler
Academic Year Plan: 2007/2008

Expected Level of Achievement	Actual Level of Achievement	Analysis and Interpretation of Data	Actions	Timetable for Reassessment
<i>Identify the level of norm-based or criteria-based performance you expect graduating students to achieve.</i>	<i>Identify students' actual level of achievement against the expected performance level.</i>	<i>Identify the recommendations that emerged from your interpretation of data (such as through aggregating and disaggregating data or triangulating multiple sources of data).</i>	<i>Describe the actions you have taken (or will take) with particular focus on improving teaching and learning.</i>	<i>Identify when you have reassessed or will reassess specific outcomes to ascertain the efficacy of actions you have taken or will take. If you have already reassessed, what did you find?</i>
CHM 353 CHM 492	Three years of research reports were evaluated. Average scores using the defined rubrics were: 2005-2006: 2.2 (15 students) 2007-2007: 2.2 (8 students) 2007-2008: 2.4 (27 students) not enough data	Rubric definitions were: 4 = Exceeds Expectations; 3 = Meets Expectations; 2 = Below Expectations; 1 = Not Acceptable. The average evaluation is Below Expectations.	Each student can enroll in a Research Class only by permission number. When the permission number is e-mailed to the student a file giving the details of an acceptable report is attached. This gives the student more information about the expectations.	Annual evaluation will continue.

**RHODE ISLAND OFFICE OF HIGHER EDUCATION
PROGRAM ASSESSMENT FORM**

Please provide brief answers. This form is intended to provide summative information for use by RIOHE/RIBGHE.
RIOHE may include this information on its Web site. Institutions may also choose to include this information on their Web sites.
More detailed information may be required by your institution's academic administrators.

Institution: University of Rhode Island

Program: Chemistry
Degree: B.A. Chemistry
Chair: Bill Euler
Academic Year Plan: 2007/2008

Expected Level of Achievement	Actual Level of Achievement	Analysis and Interpretation of Data	Actions	Timetable for Reassessment
<i>Identify the level of norm-based or criteria-based performance you expect graduating students to achieve.</i>	<i>Identify students' actual level of achievement against the expected performance level.</i>	<i>Identify the recommendations that emerged from your interpretation of data (such as through aggregating and disaggregating data or triangulating multiple sources of data).</i>	<i>Describe the actions you have taken (or will take) with particular focus on improving teaching and learning.</i>	<i>Identify when you have reassessed or will reassess specific outcomes to ascertain the efficacy of actions you have taken or will take. If you have already reassessed, what did you find?</i>
1. Analytical Chemistry CHM 212	not enough data			
2. Physical Chemistry CHM 335	Four years of lab reports were evaluated. Average scores using the defined rubrics were: 2005: 3.6 (24 students) 2006: 3.4 (28 students) 2007: 3.4 (26 student) 2008: 3.5 (28 students)	Rubric definitions were: 4 = Exceeds Expectations; 3 = Meets Expectations; 2 = Below Expectations; 1 = Not Acceptable. The average evaluation is above Meets Expectations.	None	Annual evaluation will continue.

**RHODE ISLAND OFFICE OF HIGHER EDUCATION
PROGRAM ASSESSMENT FORM**

Please provide brief answers. This form is intended to provide summative information for use by RIOHE/RIBGHE.
RIOHE may include this information on its Web site. Institutions may also choose to include this information on their Web sites.
More detailed information may be required by your institution's academic administrators.

Institution: University of Rhode Island

Program: Chemistry
Degree: B.S. Chemistry and Chemical Oceanography
Chair: Bill Euler
Academic Year Plan: 2007/2008

Expected Level of Achievement	Actual Level of Achievement	Analysis and Interpretation of Data	Actions	Timetable for Reassessment
<i>Identify the level of norm-based or criteria-based performance you expect graduating students to achieve.</i>	<i>Identify students' actual level of achievement against the expected performance level.</i>	<i>Identify the recommendations that emerged from your interpretation of data (such as through aggregating and disaggregating data or triangulating multiple sources of data).</i>	<i>Describe the actions you have taken (or will take) with particular focus on improving teaching and learning.</i>	<i>Identify when you have reassessed or will reassess specific outcomes to ascertain the efficacy of actions you have taken or will take. If you have already reassessed, what did you find?</i>
1. Analytical Chemistry CHM 212 CHM 414	not enough data not enough data			
2. Inorganic Chemistry CHM 402	not enough data			
3. Organic Chemistry CHM 425	not enough data			
4. Physical Chemistry CHM 335	Four years of lab reports were evaluated. Average scores using the defined rubrics were: 2005: 3.6 (24 students) 2006: 3.4 (28 students) 2007: 3.4 (26 student) 2008: 3.5 (28 students)	Rubric definitions were: 4 = Exceeds Expectations; 3 = Meets Expectations; 2 = Below Expectations; 1 = Not Acceptable. The average evaluation is above Meets Expectations.	None	Annual evaluation will continue.
5. Chemical Oceanography OCG 493 OCG 494	not enough data not enough data			

**RHODE ISLAND OFFICE OF HIGHER EDUCATION
PROGRAM ASSESSMENT FORM**

Please provide brief answers. This form is intended to provide summative information for use by RIOHE/RIBGHE.
RIOHE may include this information on its Web site. Institutions may also choose to include this information on their Web sites.
More detailed information may be required by your institution's academic administrators.

Institution: University of Rhode Island

Program: Chemistry
Degree: B.S. Chemistry and Forensic Chemistry
Chair: Bill Euler
Academic Year Plan: 2007/2008

Expected Level of Achievement	Actual Level of Achievement	Analysis and Interpretation of Data	Actions	Timetable for Reassessment
<i>Identify the level of norm-based or criteria-based performance you expect graduating students to achieve.</i>	<i>Identify students' actual level of achievement against the expected performance level.</i>	<i>Identify the recommendations that emerged from your interpretation of data (such as through aggregating and disaggregating data or triangulating multiple sources of data).</i>	<i>Describe the actions you have taken (or will take) with particular focus on improving teaching and learning.</i>	<i>Identify when you have reassessed or will reassess specific outcomes to ascertain the efficacy of actions you have taken or will take. If you have already reassessed, what did you find?</i>
1. Analytical Chemistry CHM 212 CHM 414	not enough data not enough data			
2. Organic Chemistry CHM 425	not enough data			
3. Physical Chemistry CHM 335	Four years of lab reports were evaluated. Average scores using the defined rubrics were: 2005: 3.6 (24 students) 2006: 3.4 (28 students) 2007: 3.4 (26 student) 2008: 3.5 (28 students)	Rubric definitions were: 4 = Exceeds Expectations; 3 = Meets Expectations; 2 = Below Expectations; 1 = Not Acceptable. The average evaluation is above Meets Expectations.	None	Annual evaluation will continue.
4. Forensic Chemistry CHM 354	not enough data			