

Biomedical Sciences Graduate Program Course Assessment Form

The purpose of this course-assessment packet is to:

- 1) foster evidence-based teaching practices in an effort to improve student learning,*
- 2) provide faculty feedback on course improvement,*
- 3) continuously monitor course offerings to insure that our courses address in part the goals and objectives of the Biomedical Sciences Graduate Program, and*
- 4) provide information for the assessment of the Graduate Program as required by the University.*

The following must be included within in your course assessment packet and turned into the Graduate Curriculum Committee within 30 days of the end of your course (module).

Course Assessment form

1. Course Information (Page 1)
2. Instructor evaluation of course (Page 2)
(Information can be provided as an attachment if more space is needed)
 - a) Analysis of how instructional methods are aligned with course goals.
 - b) Analysis of how assessment methods are aligned with instructional methods and course goals.
 - c) Analysis of assessment results and how the results will be used to make any necessary course changes/improvements.
 - d) Description of how and when course changes/improvements will be made.
3. Identify Program goals and objective directly relevant to the course (MS and PhD) (Pages 3-4)

Attachments to Course Assessment form

1. Syllabus (Provide as an attachment)
(All the following information should be contained in course syllabus):
 - a) Call number and course title.
 - b) A description of your target audience and criteria for enrollment.
 - c) A short 250-word description of the course.
 - d) An explanation of how the course fits into the goals of our graduate program.
 - e) The goals of the course.
 - f) Information on how you will assess student progress and assign grades. (If rubrics/matrices are utilized these should be included.)
 - g) UND policies on student health and accessibility
2. Student evaluations (Provide as an attachment)

Biomedical Sciences Graduate Program Course Assessment Form
 Course Information

Course Name	
Course Number	
Semester/Year Offered	
Instructor of Record	
Module Director	

Composition of Students Enrolled in Course			
Total number of Students			
	Number	Required	Elective
Biomed Students			
Non-Biomed Students			
Program Affiliation of Non-Biomed students			

Course Assessment Results	
Grading Scale	
Assessment Activity	Percent of Grade

Feedback Provided to Student on Performance	
Type	Frequency

Final Grade Distribution						
	A	B	C	Pass	Fail	Other
Number						
Remediation Method						

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Instructor evaluation of course

Describe how instructional methods are aligned with course goals.

Describe how assessment methods are aligned with instructional methods and course goals.

Describe assessment results and how the results will be used to make any necessary course changes/improvements.

Description of how and when course changes/improvements will be made.

PhD Program Goals and Objectives

Objective covered	Objective	Description
Goal 1: Students will become professionals who possess a foundational knowledge of the biomedical sciences and are capable of applying that knowledge in scholarly endeavors as self-directed, life-long learners.		
	1.1	Students will demonstrate breadth of knowledge in the biomedical sciences to form a solid basis for scholarly inquiry and flexibility in their career path.
	1.2	Students will demonstrate depth and integration of knowledge in specific subject areas of their choice to support their research and to allow them to make meaningful contributions that advance the discipline.
	1.3	Students will demonstrate skills in managing information and searching the biomedical literature and data repositories using appropriate technology.
	1.4	Students will remain current in their knowledge of major scientific developments and apply this knowledge to multi-disciplinary problems.
Goal 2: Students will become professionals who demonstrate intellectual curiosity and the ability to conduct meaningful scholarly inquiry.		
	2.1	Students will demonstrate the ability to develop clearly stated meaningful hypotheses and research questions that lead to scientific investigation in areas relevant to the biomedical sciences.
	2.2	Students will demonstrate the ability to select, design, and implement experimental approaches to rigorously test their hypotheses.
	2.3	Students will demonstrate the ability to appropriately and accurately record and to analyze data with the degree of rigor expected by the scientific community.
	2.4	Students will demonstrate the ability to reach scientifically sound conclusions by integrating their data with existing knowledge and by critical evaluation of their results.
	2.5	Students will disseminate their findings through peer-reviewed publications and other means that advance knowledge in their discipline.
Goal 3: Students will master communication skills necessary to convey the results of their scholarly work.		
	3.1	Students will demonstrate the ability to present their research clearly, concisely, and accurately in both oral and written form to experts in the field and to the general scientific community.
	3.2	Students will demonstrate the ability to effectively communicate their scholarly work to a lay audience in a way that illustrates the accomplishments and importance of scientific research.
Goal 4: Students will gain experience in education and mentorship.		
	4.1	Students will demonstrate the ability to teach biomedical science to a precollege, undergraduate, graduate, or health professional audience.
	4.2	Students will demonstrate the ability to provide formative and summative feedback that encourages, assesses, and improves learning.
	4.3	Students will demonstrate the principles of effective mentorship.
Goal 5: Students will recognize and abide by professional and ethical standards and participate in service to their institution, the scientific community, and society in general.		
	5.1	Students will demonstrate the ability to establish rapport with colleagues and peers that encourages a team-based mindset toward the accomplishment of departmental and institutional goals.
	5.2	Students will demonstrate the ability to articulate and abide by the standards of ethical behavior and responsible conduct in research.
	5.3	Students will demonstrate the ability to articulate and abide by the acceptable standards of conduct in the teacher-learner relationship.
	5.4	Students will engage in ongoing service to the department, the school, the university, the profession, and the community.

MS Program Goals and Objectives

Objective Covered	Objective	Description
Goal 1: Students will possess and be capable of applying knowledge in biomedical sciences related to their field of study.		
	1.1	Students will demonstrate a breadth of knowledge in the biomedical sciences to support scholarly inquiry and flexibility in their career path.
	1.2	Students will demonstrate a depth of knowledge in elected subject areas through scholarly contribution to their field of study.
	1.3	Students will demonstrate skills in the use of technology to manage information.
	1.4	Students will demonstrate the ability to use primary literature and other resources to support their scholarly efforts.
Goal 2: Students will demonstrate the ability to understand, develop, and apply multiple approaches to test ideas using the scientific method.		
	2.1	Students will be able to apply the scientific method to conduct a scholarly investigation.
	2.2	Students will demonstrate an ability to formulate questions and generate hypotheses in response to new and unfamiliar problems.
	2.3	Students will demonstrate an ability to implement experimental approaches that have been appropriately chosen to test their hypotheses.
	2.4	Students will demonstrate the ability to appropriately and accurately collect, record, and analyze research data.
	2.5	Students will demonstrate the ability to reach scientifically sound conclusions based on current knowledge within their field of study.
Goal 3: Students will master communication skills necessary to convey the results of their scholarly work.		
	3.1	Students will demonstrate the ability to present their research clearly, concisely, and accurately in both oral and written form to experts in the field and to the general scientific community.
	3.2	Students will demonstrate the ability to effectively communicate their scholarly work to a lay audience in a way that illustrates the accomplishments and importance of scientific research.
Goal 4: Students will recognize and abide by professional and ethical standards and participate in service to their institution, the scientific community, and society in general.		
	4.1	Students will demonstrate the ability to establish rapport with colleagues and peers that encourages a team-based mindset toward the accomplishment of departmental and institutional goals.
	4.2	Students will demonstrate the ability to articulate and abide by the standards of ethical behavior and responsible conduct in research.
	4.3	Students will demonstrate the ability to articulate and abide by the acceptable standards of conduct in the teacher-learner relationship.
	4.4	Students will engage in ongoing service to the Department, the School, the University, the profession, and the community.