

M.S. Medical Sciences Assessment Plan

Program Learning Outcomes (PLOs)

- PLO 1 – Demonstrate advanced knowledge of the different biomedical sciences.
- PLO 2 – Design, analyze, and interpret research in biomedical sciences.
- PLO 3 – Demonstrate the appropriate written and oral communication skills required of the professional practitioner.
- PLO 4 – Apply the principles of bioethics to address current ethical issues in biomedical sciences.

	Methods of Assessment	Measurement Tools	Assessors	Criteria for Success	When	1	2	3	4
ANA 6001 Human Gross Anatomy	Unit Exams	MCQ	Faculty	The average exam grades of students are above 70%.	Fall	X			
KIN 6005: Research Methods	Human Research Participants Certification	MCQ	CITI program	Certificate of completion.	Fall				X
	Assignments	Written Assignment Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Fall		X		
	Proposal Presentation	Oral Presentation Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Fall		X	X	
	Proposal Documents	Research Proposal Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Fall		X	X	
	Mid-Term Examination	MCQ	Faculty	70% of the students scored 80% or higher on the signature assignment.	Fall		X		
	Final Examination	MCQ	Faculty	70% of the students scored 80% or higher on the signature assignment.	Fall		X		

ANA 6009 Applied Neuroanatomy or ANA 5009	Exams	MCQ	Faculty	The average exam grades of students are above 70%.	Spring	X			
ANA 6020 Human Embryology or ANA 5020	Exams	MCQ	Faculty	The average exam grades of students are above 70%.	Spring	X			
ANA 6050 Directed Readings	Research Proposal Presentation	Oral Presentation Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Spring			X	
	Research Proposal Prospectus	Proposal Prospectus Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Spring		X		
	IRB Application	Ethical Compliance & Written Proposal Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Spring				X
	Chapter 1: Introduction	Assignment	Faculty	70% of the students scored 80% or higher on the signature assignment.	Spring			X	
ANA 6060 Research Project Seminar	Oral Presentation	Oral Presentation Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Spring		X	X	
	Chapter 2: Materials and Methods	Assignment Rubric	Faculty	70% of the students scored 80% or higher on the signature assignment.	Spring		X	X	
ANA 6095 Comprehensive Examination	Written Exam	MCQ	Faculty	The average exam grades of students are above 70%.		x			
ANA 6098 Capstone Project	Assignment	Manuscript	Capstone Committee (Program Faculty)	70% of the students scored 80% or higher on the signature assignment.			x	x	

Updated 2026

ANA 6099 Thesis	Assignment	Manuscript	Thesis Committee (Program Faculty) Faculty Advisor / Chair	70% of the students scored 80% or higher on the signature assignment.			x	x	
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