Nuclear Engineering Qualifying Exam (NEQE) Policy

Exam Offerings for the 2025-2026 Academic Year:

Fall: Thursday, August 14, 2025 Spring: Friday, January 16, 2026

Location: FEC 1240

Exam Overview:

The **NEQE** (informally known as the "quals") is taken by graduate students who intend to continue to their PhD in Nuclear Engineering. It is a one-day written examination covering the fundamentals of nuclear engineering.

This exam consists of two 4-hour sessions. The first part of the exam is from 8:00 a.m.to 12:00 p.m. and the second is from 1:00 p.m. to 5:00 p.m. Students may select four courses on which to be examined from the approved course list on page 2 of this document. As such, at least those four courses should have been completed at UNM. The NEQE may also contain an oral component as determined by the Committee on Studies based on results of the written examination.

Procedure for scheduling the exam:

The following procedure should be completed no later than June 1st for fall and no later than December 1st for spring. Please meet these deadlines. Please complete the following procedure in this order:

- Students should meet with their Research Advisor to discuss and agree on the four courses on which
 to be examined. Note that only certain NE 515 courses may be used. Bring a copy of the NEQE
 Proposal Form to this meeting. Both you and your Research Advisor will complete this form
 together.
- 2. Students will then email the Nuclear Engineering Graduate Director to review the course choices and make the final approvals to these forms. Please copy a staff academic advisor on your email.

<u>Important: under no circumstances should the student contact or approach professors other than</u> their Research Advisor or the Graduate Director regarding the exam.

Nuclear Engineering Qualifying Exam (NEQE) Proposal Form

Name:		Date:		
Research Advisor:				
Please Circle Exam Semester/Year:		Fall	2024	Spring 2025
Select four courses on which you would like to be examined from the list below:				
	NE 410/510 Nuclear Reactor Theory		NE 529 Internal Dosime	etry
	NE 462/562 Monte Carlo Techniques for Nuclear Systems		NE 534 Plasma Physics	
	NE 485 Fusion Technology		NE 439/539 Radioactive	e Waste Mgt.
	NE 511 Advanced Nuclear Reactor		NE 560 Nuclear Reactor	r Kinetics
	Theory		NE 464/564 Thermal-H	ydraulic Nuclear Systems
	*NE 515 Special Topics (list specific course below)		NE 468/568 Intro Space	Nuclear Power
	NE 520 Radiation Interactions and		NE 570 Nuclear Fuel an	d Materials
	Transport		NE 571 Radiation Dama	age in Materials
	NE 524 Interactions of Radiation with Matter		NE 610 Advanced Nucl	ear Reactor Theory
	NE 525 Methods Analysis in NE	List name of class and instructor below:		
٥	NE 528 External Dosimetry			
*NE 515- list specific courses you plan to use (NE 515 courses must be approved by the Graduate Director):				
Proposed Courses Approved:				
Signature, Graduate Director Date				