

# Distinction in Medical Research (DMR) Information session

Leslie Shen, PhD, CCRP  
Associate Dean for Research, Professor of Pathology, SOM  
[leslie.shen@ttuhsc.edu](mailto:leslie.shen@ttuhsc.edu)  
Phone: (806) 74815  
HSC Room 1A096B

# What is DMR/Goals of DMR

The Distinction in Medical Research (DMR) program is designed to provide medical students a structured medical research experience.

Students not only plan, conduct, and present cutting-edge medical research projects, but receive instruction in research method development, research management, and other critical skills.

This structured experience will empower the students to become engaged in research during medical residency and as they continue on in their medical practice.

[DMR website: https://www.ttuhschool.edu/medicine/medical-research.aspx](https://www.ttuhschool.edu/medicine/medical-research.aspx)





Medical Student Summer  
Research Program (MSSRP)  
previous research experience at  
medical school

Req A

# Part I: Course 1

## Research Methods

- DMR student uses eRaider account to log in to [Sakai from DMR homepage](#).
- Req B: **Finish online course (30-60 min/session, 8 hours of lectures)**
  - How to conduct medical research literature
  - How to conduct retrospective chart review research using UMC EMR
  - How to formulate research questions and design a hypothesis-driven research study (basic science studies and clinical trials)
  - How to write study protocol for a basic science study and a clinical trial
  - Basic biostatistical analysis and preparation for statistical consultation
  - How to conduct a case-control study, a retrospective study, and a clinical trial
  - How to prepare an abstract for a scientific meeting
  - How to prepare and present an oral or poster presentation at a scientific meeting
- **Complete brief questions after each lecture to document participation**

# Part I: Course 2

## Proposal Development and Research Management

- DMR student uses eRaider account to login [Sakai from DMR homepage](#).
- **Req C:** Finish online course (30-60 min/session, 8 hours of lectures)
  - How to write a research proposal for basic science study
  - How to write a research proposal for clinical trial
  - Advanced biostatistical analysis and data management
  - Research misconduct
  - How to write basic science manuscript and select a journal for publication
  - How to write case control and retrospective study manuscript and select a journal for publication
  - How to write a clinical manuscript and select a journal for publication
- **Complete brief questions after each lecture to document participation**

# Part II: Scholarly activities

- **Req D:** Participate in DMR student group sessions: 2 sessions/semester via zoom. 75% attendance of sessions (6 of 8 with two possible makeup)
- **Req E:** Conduct research project(s)
- **Req F:** Submit at least one abstract as the first or co-first author and presenting the work for Student Research Week. Due by MS4 (Feb 28<sup>th</sup>)
- **Req G:** Submit a 5-page research proposal. DMR committee will review and offer comments to address before approval. Due by MS3 (Jan 1<sup>st</sup>)
- **Req H:** Submit at least one abstract as the first or co-first author and presenting the work at a state/national conference. Due by MS4 (Feb 28<sup>th</sup>)
- **Req I:** Participate in a manuscript submission





# What are the responsibilities of a DMR mentor?

During DMR application due October 1<sup>st</sup> MS2

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# Can multiple students work on the same project?

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# Can DMR students carry over their MSSRP research projects to the DMR or should they start new

- It depends
- Not all MSSRP projects will be substantial enough to continue