

MEDICAL PHYSIOLOGY

Graduate Committee

Dr. Matthew Zimmerman (Chair and Program Director), Dr. Bryan Hackfort (Assistant Program Director), Dr. Erika Boesen, Dr. Paras Kumar Mishra, Dr. Harold Schultz, Dr. Irving Zucker

The Master of Science (MS) in Medical Physiology Program is an online, distance learning-only program that focuses on educating students in medical physiology. The program is designed to meet the needs of several prospective student populations, including:

1. students seeking undergraduate college and university, as well as junior/community college, teaching positions in physiology;
2. students seeking to enhance their knowledge in physiology to improve their rank and earning potential in physiology-based, basic-science and/or clinical research laboratories; and
3. students seeking to broaden and deepen their physiology knowledge base in their pursuit of medical, dental, physician assistant, pharmacy or graduate (PhD) school admission.

MS Curriculum

This 30-credit hour, non-thesis, distance learning-only MS program is designed to be completed in two consecutive academic semesters by full-time students. Part-time students will be allowed to complete the MS in Medical Physiology degree over a maximum of five consecutive years. To receive the MS degree, students are required to pass a Comprehensive Exam and maintain a minimum 3.0 GPA on the required courses. Fall Semester courses include: MEP 803, MEP 806, MEP 810 and HPTT 801. Spring Semester courses include: MEP 807, MEP 901, MEP 916, BIOS 806 and HPTT 802 or HPRO 830 (students can choose between taking HPTT 802 or HPRO 830).

Coursework

Code	Title	Credit Hours
Required Coursework		
BIOS 806	BIostatistics	3
HPTT 801	FOUNDATIONS OF HEALTH PROFESSIONS EDUCATION	3
MEP 803	CELL PHYSIOLOGY & SIGNALING	3
MEP 806	MEDICAL PHYSIOLOGY	7
MEP 807	MEDICAL PHARMACOLOGY FOR THE PHYSIOLOGIST	3
MEP 810	BASIC CONCEPTS IN SCIENTIFIC WRITING	3
MEP 901	ADVANCED TOPICS IN PHYSIOLOGY	2
MEP 916	MOLECULAR MECHANISMS OF CARDIOVASCULAR PATHOPHYSIOLOGY	3
Elective Courses (choose one of the following)		
HPTT 802	INSTRUCTIONAL DESIGN FOR HEALTH PROFESSIONS EDUCATION	3
HPRO 830	FOUNDATIONS OF PUBLIC HEALTH	3