MEDICINE (MEDICINE)

MEDICINE/KINES/NURSING 523 — CLINICAL EXERCISE TESTING & TRAINING
3 credits.

Physiological basis and methods of human exercise testing and training. Topics: clinical exercise physiology, exercise testing protocols, cardiopulmonary monitoring, basic ECG interpretation, exercise prescription. Enroll Info: None
Requisites: Declared in Kinesiology and KINES 314
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE/M&ENVTOX/ONCOLOGY/PHM SCI/PHMCOL-M/POP HLTH 625 — TOXICOLOGY I
3 credits.

Basic principles of toxicology and biochemical mechanisms of toxicity in mammalian species and man. Correlation between morphological and functional changes caused by toxicants in different organs of the body. Enroll Info: None
Requisites: BIOCHEM 501, PHYSIOL 335, PATH 404 and PHM SCI 401
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2018

MEDICINE/M&ENVTOX/PHM SCI/PHMCOL-M/POP HLTH 626 — TOXICOLOGY II
3 credits.

Survey of the basic methods and fundamental biochemical mechanisms of toxicity. Toxicity in mammalian organ systems, techniques for evaluating toxicity, as well as mechanisms of species specificity, and environmental interactions (with toxicant examples) are presented. Enroll Info: None
Requisites: PHMCOL-M/POP HLTH/M&ENVTOX/MEDICINE/ONCOLOGY/PHM SCI/PHMCOL-M 625
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE/INTEREGR 650 — WOMEN AND LEADERSHIP IN MEDICINE, SCIENCE AND ENGINEERING
1-3 credits.

Review and discussion of research on effective leadership; gender differences in leadership; unconscious assumptions about behaviors and traits of leaders; and approaches to counteracting biases. Required assignments vary with credits from reflective journal to literature review to research project. Enroll Info: Graduate students, Professional students: Upper-level undergrads with consent of instructor
Requisites: None
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 699 — INDEPENDENT STUDY
0-5 credits.

Self-directed work under the supervision and guidance of an Instructor and often in conjunction with a day-to-day mentor that is a graduate student, postdoc researcher or directly with the faculty. Students normally participate in aspects of ongoing research projects. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE/CRB 701 — CELL SIGNALING AND HUMAN DISEASE
1 credit.

This course is intended for PhD and MSTP students interested in medically relevant basic science. Landmark discoveries, as well as current knowledge and controversies in human health, with an emphasis on cancer biology, will be covered. Enroll Info: Students must be enrolled in a PhD or MSTP program
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE/NURSING/POP HLTH 705 — SEMINAR IN INTERDISCIPLINARY CLINICAL RESEARCH EVIDENCE
2 credits.

Exploration of interdisciplinary clinical research questions including strategies for assessing the evidence and conducting a systematic review of research. An interdisciplinary perspective is emphasized throughout the course. Enroll Info: None
Requisites: SOC/POP HLTH 797 and STAT/B M I 542
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Summer 2018
MEDICINE 710 — IMPROVISATIONAL THEATRE FOR SCIENTISTS
1 credit.

Improvisers are experts in storytelling, spontaneity, and using observation skills to adjust to their audiences and team members accordingly. Among other skills, this 5-week course will teach you how to (1) effectively communicate your work to different audiences, (2) adjust your behavior in real time to respond to audience feedback, and (3) manipulate your vocal and physical presence to communicate more effectively. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 720 — ENDOCRINOLOGY AND METABOLISM
2 credits.

Provides a broad grounding in endocrinology and metabolism with an emphasis on human and human-related disorders wherever possible. Explores further the physiological and molecular mechanisms by which the endocrine regulation of metabolism acts to preserve mammalian health, and how dysfunction in these mechanisms leads to disease, with an emphasis on diabetes, obesity and hypertension. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 809 — INTERSECTION OF HEALTH CARE AND INCARCERATION
1 credit.

With an ever growing and aging prison population, the need for adequate healthcare for incarcerated individuals is rising. Focuses on common healthcare concerns of incarcerated individuals. Topics covered include, infection control, addiction and mental health, conducting research within correctional facilities, and how to continue care for chronic conditions after release. Enroll Info: None
Requisites: MED SC-M 810, 811, 812, and 813; or declared in Nursing or Pharmacy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 812 — PRINCIPLES OF INTERNAL MEDICINE-BASIC CLERKSHIP
1-12 credits.

Enroll Info: 3rd yr st in Med School
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2018

MEDICINE 901 — MSTP INTRODUCTION TO CLINICAL MEDICINE
3 credits.

Full-time clinical clerkship for students of the Medical Scientist (PhD) Training Program (MSTP) prior to graduate school, taken to develop clinical skills and cement prior didactic coursework. Enroll Info: Limited to MSTP stdts who have completed yrs 1 2 of med school have taken USMLE Step 1
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2014

MEDICINE/PEDIAT/RADIOL 902 — MSTP PHYSICIAN SCIENTIST PRECEPTORSHIP IN CLINICAL & TRANSLATIONAL RESEARCH
1-6 credits.

Six-week clinical and translational research preceptorship for students of the Medical Scientist (PhD) Training Program (MSTP). Enroll Info: Limited to MSTP students in fourth year of medical school who have completed MEDICINE 901 and MEDICINE 903 or with instructor consent
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 903 — MSTP LONGITUDINAL CLINICAL CLERKSHIP IN GRADUATE SCHOOL
1-12 credits.

This is a required clinical elective for MSTP students during their graduate years. During PhD training, all students are required to participate in a scholarly continuity clinical experience in their fields of interest. Each student will complete and certify 10 half-day sessions or equivalent with an academic clinical mentor and present in the MSTP seminar. Enroll Info: Limited to MSTP students in graduate school
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 904 — SCIENCE OF CUTANEOUS DISEASE
2 credits.

The practice of Dermatology encompasses diseases of the skin, mucosal surfaces, hair and nails. The specialty integrates cellular and molecular biology, immunology, microbiology, and physiology to support patient care decisions. Introduces the basic science principles of normal and abnormal cutaneous functioning, building on the principles introduced in the Phase 1 Invaders and Defense course. These core concepts will be applied though interactions with patients in the clinical setting. By the end of this course, students will be equipped with foundational basic science knowledge to diagnose and treat dermatologic diseases. Enroll Info: None
Requisites: MED SC-M 810, 811, 812, and 813
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019
MEDICINE 905 — THE APPLIED PHYSIOLOGY OF MECHANICAL VENTILATION
2 credits.

Focus on the intersection between the physiology of the respiratory system and the mechanical engineering of ventilators, with particular attention to patient-ventilator interactions. Investigate the important physiologic trade-offs inherent in various strategies of mechanical ventilation. Apply these principles to patients with and without underlying pulmonary disease. Finally, evaluate a landmark study on tidal volume in ARDS, with particular attention to the scientific and ethical controversies that surround the trial. This course involves a modicum of physics and math. Enroll Info: None

Requisites: MED SC-M 810, 811, 812, and 813
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 908 — MY STORY: TECHNIQUES FOR INTERVIEWING PATIENTS
2 credits.

Teaches students My Life, My Story interviewing and writing techniques. My Life, My Story is a novel healthcare intervention developed at the Madison VA hospital. Program staff and trained community volunteer interview Veterans about their life stories and write up a short story based on the interview. These stories are then reviewed by the veteran and (with veteran approval) added to the VA medical record to be shared with the veteran’s inpatient and primary care teams. The veteran also receives printed copies of the story for his/her family. The goal of the project is to foster a closer connection between VA providers and Veterans in their care. Enroll Info: None

Requisites: Declared in the Medical program with 4th year standing or MED SC-M 812
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 910 — INDEPENDENT READING AND RESEARCH FOR FOURTH YEAR MEDICAL STUDENTS
1-12 credits.

Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 915 — CLINICAL THERAPEUTICS - PREPARATION FOR RESIDENCY
2-4 credits.

Students will be better prepared for internship by developing a greater understanding of common medical diseases and the best current pharmacologic and non-pharmacologic therapies. Students will learn how to apply this knowledge through recorded lectures and interactive case-based web-conferences. Enroll Info: 4th yr Med student or consent of instructor

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 916 — PALLIATIVE CARE
2-4 credits.

To introduce students to the clinical aspects of palliative care integrated between patients here at the CSC either by seeing them in the clinic or on the inpatient service and Hospice Care Inc. Enroll Info: 4th yr Med student

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 917 — RESEARCH IN TOBACCO PREVENTION AND CESSATION
4 credits.

Provides students with an exposure to and training in tobacco research and intervention activities. The students will be housed at the UW Center for Tobacco Research and Intervention (CTRI), the lead UW campus agency confronting tobacco use. Enroll Info: 4th yr Med st

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE/BMI 918 — HEALTH INFORMATICS FOR MEDICAL STUDENTS
2 credits.

Explore medical informatics as a new way to practice medicine with applications to patient care, electronic medical records, and patient safety. Enroll Info: Basic computer literacy 4th yr Med st or cons inst

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019
MEDICINE 919 — INDIVIDUALIZED FOURTH YEAR CLINICAL CLERKSHIP
1-12 credits.
Individually arranged fourth year clinical clerkships. (Student must have Fourth Year Committee approval to count for fourth year credit.) Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 921 — AMBULATORY MEDICINE CLERKSHIP-STUDENT HEALTH
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 930 — WOMEN'S HEALTH IN PRIMARY CARE
2-4 credits.
This elective will focus on fundamental aspects of women's health important to all physicians in internal medicine. Students will work with academic faculty in women's health to refine clinical knowledge and skills essential for providing excellent health care to women. Enroll Info: Successful completion of 3rd yr Internal Med or Primary Care Clerkshp
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 933 — GERIATRIC ELECTIVE
2-12 credits.
Enroll Info: 4th year medical student standing or completion of MEDICINE 812 (3rd year medicine clerkship)
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 935 — HEMATOLOGY/ONCOLOGY
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 938 — INPATIENT ACTING INTERNSHIP-INTERNAL MEDICINE
4 credits.
As an inpatient medicine acting intern (AI), you will have primary responsibility for patients actionable in four domains: 1. Management: As an AI, you will develop actionable management and treatment plans based on your history, physical exam and targeted data. 2. Communication: AIs will communicate with colleagues, primary care providers and consultants. AIs will demonstrate thorough patient hand-offs and write concise discharge summaries that will be integral to patient care. 3. Learning: Patient care issues will be the central guide for learning, directing reading, consultation and research. AIs will formulate questions based upon clinical dilemmas, research the appropriate literature and databases to find the answers, and apply findings to the care of individual patients. 4. Organization: As the primary inpatient provider for patients, AIs will develop efficiency in accomplishing the day to day tasks necessary for the coordination and management of patient care. Enroll Info: None
Requisites: MED SC-M 810, 811, 812, and 813
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 939 — INPATIENT-OUTPATIENT ALCOHOL AND OTHER DRUG ABUSE CLERKSHIP-MARSHFIELD
2-12 credits.
Clinical elective for fourth year medical students. Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2015

MEDICINE 940 — ALLERGY AND CLINICAL IMMUNOLOGY CLERKSHIP
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 942 — CLINICAL ELECTROPHYSIOLOGY-MILWAUKEE
2-12 credits.
Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019
MEDICINE 943 — CARDIOLOGY CONSULTATION SERVICE
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 944 — CLINICAL CARDIOLOGY CLERKSHIP
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 945 — ACUTE CARE MEDICAL CARDIOLOGY-MILWAUKEE
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 949 — ADULT CARDIOVASCULAR DISEASES CLERKSHIP-MARSHFIELD
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 951 — AMBULATORY CARDIOLOGY
4 credits.
This course will provide an overview of outpatient diagnosis and management of adult cardiovascular diseases through direct patient contact, mentored instruction and directed core readings. Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 953 — DERMATOLOGY CLERKSHIP-CSC
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 954 — DERMATOLOGY CLERKSHIP-MARSHFIELD
2-12 credits.
Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2018

MEDICINE 955 — HEPATOLOGY
2 credits.
Students will be exposed to inpatient and outpatient hepatology practice and learn how to function as a consultant in an academic and Veterans Administration Medical Center over a two week rotation. Enroll Info: None
Requisites: MEDICINE 812
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

MEDICINE 956 — ENDOCRINOLOGY CLERKSHIP
2-12 credits.
Enroll Info: Fourth year medical school standing or successful completion of third year medicine clerkship
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 962 — INPATIENT-OUTPATIENT GI/HEPATOLOGY SUBINTERNSHIP-MARSHFIELD
2-12 credits.
Clinical elective for fourth year medical students. Enroll Info: 4th yr Med st
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

MEDICINE 964 — GASTROENTEROLOGY CLERKSHIP
1-12 credits.
Enroll Info: 4th yr Medical student
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019
MEDICINE 969 — TRANSFUSION MEDICINE CLERKSHIP-CSC
2-12 credits.

Clinical elective for fourth year medical students. Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 970 — GASTROENTEROLOGY/HEPATOLOGY CONSULT SERVICE-MILWAUKEE
2-12 credits.

Clinical elective for fourth year medical students. Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 971 — INFECTIOUS DISEASE CLERKSHIP
2-12 credits.

Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 972 — INFECTIOUS DISEASE CLERKSHIP-VAH
2-12 credits.

Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 976 — CLINICAL NEPHROLOGY CLERKSHIP
2-12 credits.

Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 981 — PULMONARY DISEASE - CLINIC/CONSULTS
2-12 credits.

Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 985 — CRITICAL CARE MEDICINE
2-12 credits.

Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 988 — CLINICAL ELECTIVE IN RHEUMATOLOGY-CSC/VAH
2-12 credits.

Enroll Info: 4th yr Med student

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019

MEDICINE 990 — RESEARCH
1-12 credits.

Enroll Info: None

**Requisites:** Consent of instructor

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

Last Taught: Spring 2019