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.

Requisites: KINES 314 or cons inst
Repeatable for Credit: No

MEDICINE/M&ENVTOX/ONCOLOGY/PATH/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.

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 2017

MEDICINE/M&ENVTOX/PATH/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.

Requisites: MENVTOX/MEDICINE/ONCOLOGY/PATH/PHM SCI/POP HLTH/M&ENVTOX/MEDICINE/ONCOLOGY/PATH/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

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.

Requisites: Graduate students, Professional students: Upper-level undergrads with consent of instructor

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

Repeatable for Credit: No
Last Taught: Spring 2017

MEDICINE 699 — INDEPENDENT STUDY
9 credits.

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

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.

Requisites: Students must be enrolled in a PhD or MSTP program

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

Repeatable for Credit: No

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.

Requisites: POP HLTH/SOC/POP HLTH 797 and BMI/STAT/B MI 542

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

Repeatable for Credit: No
Last Taught: Summer 2017

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.

Requisites: Graduate or professional standing

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

Repeatable for Credit: No
MEDICINE 812 — PRINCIPLES OF INTERNAL MEDICINE-BASIC CLERKSHIP
1-12 credits.

Requisites: 3rd yr st in Med School
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 901 — MSTP INTRODUCTION TO CLINICAL MEDICINE
3 credits.

Full-time clinical clerkship for students of the Medical Scientist (MD/PhD) Training Program (MSTP) prior to graduate school, taken to develop clinical skills and cement prior didactic coursework.

Requisites: Limited to MSTP stdts who have completed yrs 1-2 of med school have taken USMLE Step 1
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

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 (MD/PhD) Training Program (MSTP).

Requisites: Limited to MSTP students in fourth year of medical school
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

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.

Requisites: Limited to MSTP students in graduate school
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

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.

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

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

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE/PHMCOL-M 914 — THERAPEUTICS I - EMPHASIS ON CHRONIC DISEASES
2 credits.

Students will have a greater knowledge of the use of drugs to treat common illnesses. They will better understand the appropriate selection of drugs and the management of side effects in treating chronic illnesses.

Requisites: 4th yr Med st or cons inst
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

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.

Requisites: 4th yr Med student or consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
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.  
**Requisites:** 4th yr Med student  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

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.  
**Requisites:** 4th yr Med st  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** No

MEDICINE/B M I 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.  
**Requisites:** Basic computer literacy 4th yr Med st or cons inst  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

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.)  
**Requisites:** 4th yr Med st  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

MEDICINE 921 — AMBULATORY MEDICINE CLERKSHIP-STUDENT HEALTH  
2-12 credits.  
**Requisites:** 4th yr Med st  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

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.  
**Requisites:** Successful completion of 3rd yr Internal Med Clrkshp and/or Primary Care Clrkshp  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

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

MEDICINE 935 — HEMATOLOGY/ONCOLOGY  
2-12 credits.  
**Requisites:** 4th yr Med st  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

MEDICINE 938 — ACTING INPATIENT 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.  
**Requisites:** 4th yr Med st  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions

MEDICINE 939 — INPATIENT-OUTPATIENT ALCOHOL AND OTHER DRUG ABUSE CLERKSHIP-MARSHFIELD  
2-12 credits.  
Clinical elective for fourth year medical students.  
**Requisites:** 4th yr Med st  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions
MEDICINE 940 — ALLERGY AND CLINICAL IMMUNOLOGY CLERKSHIP
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 942 — CLINICAL ELECTROPHYSIOLOGY-MILWAUKEE
2-12 credits.

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

MEDICINE 943 — CARDIOLOGY CONSULTATION SERVICE
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 944 — CLINICAL CARDIOLOGY CLERKSHIP
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 945 — ACUTE CARE MEDICAL CARDIOLOGY-MILWAUKEE
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 949 — ADULT CARDIOVASCULAR DISEASES CLERKSHIP-
MARSHFIELD
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

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.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 953 — DERMATOLOGY CLERKSHIP-CSC
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 954 — DERMATOLOGY CLERKSHIP-MARSHFIELD
2-12 credits.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

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.

Requisites: MEDICINE 812
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

MEDICINE 956 — ENDOCRINOLOGY CLERKSHIP
2-12 credits.

Requisites: Fourth year medical school standing or successful completion of third year medicine clerkship
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 962 — INPATIENT-OUTPATIENT GI/HEPATOLOGY
SUBINTERNSHIP-MARSHFIELD
2-12 credits.

Clinical elective for fourth year medical students.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 964 — INPATIENT-OUTPATIENT GI/HEPATOLOGY
SUBINTERNSHIP-MARSHFIELD
2-12 credits.

Clinical elective for fourth year medical students.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 965 — GASTROENTEROLOGY CLERKSHIP
1-12 credits.

Requisites: 4th yr Medical student
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 969 — TRANSFUSION MEDICINE CLERKSHIP-CSC
2-12 credits.

Clinical elective for fourth year medical students.

Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
MEDICINE 970 — GASTROENTEROLOGY/HEPATOLOGY CONSULT
SERVICE-MILWAUKEE
2-12 credits.
Clinical elective for fourth year medical students.
Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 971 — INFECTIOUS DISEASE CLERKSHIP
2-12 credits.
Requisites: 4th yr Med student
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 972 — INFECTIOUS DISEASE CLERKSHIP-VAH
2-12 credits.
Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 976 — CLINICAL NEPHROLOGY CLERKSHIP
2-12 credits.
Requisites: 4th yr Med student
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 981 — PULMONARY DISEASE - CLINIC/CONSULTS
2-12 credits.
Requisites: 4th yr Med student
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 985 — CRITICAL CARE MEDICINE
2-12 credits.
Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 988 — CLINICAL ELECTIVE IN RHEUMATOLOGY-CSC/VAH
2-12 credits.
Requisites: 4th yr Med st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

MEDICINE 990 — RESEARCH
1-12 credits.
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions