

BIOMEDICAL SCIENCES (BMS)

BMS 101 Introduction to Clinical Laboratory Sciences

2 cr. Undergraduate.

Lecture and laboratory instruction to introduce the student to the profession of clinical laboratory sciences with special emphasis in medical technology and cytotechnology.

Prerequisites: none.

Last Taught: Spring 2019, Fall 2018, Spring 2018, Fall 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 201 Sexually Transmitted Diseases and AIDS

3 cr. Undergraduate.

Introductory course examining epidemiology, physiology, and microbiology of sexually transmitted infectious diseases. Information on reproductive physiology, pathophysiology and clinical disease, prevention and current treatment strategies.

Prerequisites: none.

General Education Requirements: NS

Last Taught: Spring 2019, Summer 2018, Summer 2017, Spring 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 204 Plagues, Pandemics, and Epidemics

3 cr. Undergraduate.

Basic principles and concepts of infectious diseases recognized to be of major worldwide importance in terms of mortality and morbidity.

Prerequisites: none.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 205 Introduction to Diagnostic Medicine

3 cr. Undergraduate.

This course will provide a framework for understanding medical diagnostic tests in terms of procedures, risks, interpretation of results and relevant science behind the tests.

Prerequisites: none.

General Education Requirements: NS

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 232 Introduction to Nutrition

3 cr. Undergraduate.

Fundamentals of human nutrition, functions and requirements of nutrients, nutritional needs throughout the life cycle.

Prerequisites: none.

Course Rules: Not open for cr to students with cr in Hlthsci 238 or BMS 332.

General Education Requirements: NS

Last Taught: Spring 2019, Fall 2018, Summer 2018, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 245 Client Diversity in Health Sciences: An Interdisciplinary Perspective

3 cr. Undergraduate.

Interdisciplinary instruction on effective service delivery in the health sciences to culturally diverse individuals and families. Emphasis on the complexity of an individual's cultural identity.

Prerequisites: sophomore standing or consent of instructor.

Course Rules: BMS/ComSDis/HCA/Kin/OccThpy/TherRec 245 are jointly offered; they count as repeats of one another.

General Education Requirements: SS, CD

Last Taught: Spring 2019, Spring 2018, Spring 2017, Spring 2016.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 260 Introduction to Complementary and Integrative Health Approaches

3 cr. Undergraduate.

Introduction to the philosophy, evidence and applications of diverse medical and health care systems, practices, and products that are not generally considered part of conventional western biomedicine.

Prerequisites: none.

General Education Requirements: SS

Last Taught: Spring 2019, Fall 2018, Spring 2018, Fall 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 281 Dead Men Do Tell Tales: An Introduction to Forensic Science

3 cr. Undergraduate.

A multidisciplinary view of how forensic scientists contribute to the many ways that physical evidence is collected, analyzed, and evaluated.

Prerequisites: none.

Course Rules: Jointly-offered with & counts as repeat of Anthro/Chem/ Crm Jst 281.

Last Taught: Fall 2018, Fall 2015, Fall 2014, Fall 2013.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 285 Medicolegal Death Investigation

3 cr. Undergraduate.

Lectures on the fundamentals of death investigation as outlined by national guidelines for death investigators.

Prerequisites: none.

Course Rules: Jointly-offered with & counts as repeat of Anthro/Chem/ Crm Jst 285.

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 290 Topics in Health Sciences:

1-3 cr. Undergraduate.

Topics of current interest in the field of health sciences.

Prerequisites: specified in sem schedule whenever req'd for a topic.

Course Rules: May be repeated with change in topic.

Last Taught: Spring 2018, Spring 2017, Spring 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 297 Study Abroad:

1-12 cr. Undergraduate.

Designed to enroll students in UWM sponsored program before course work level, content and credits are determined and/or in specially prepared program course work.

Prerequisites: acceptance to Study Abroad Prog.

Course Rules: May be retaken w/chg in topic.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 301 Human Pathophysiology: Fundamentals

1 cr. Undergraduate.

Pathological mechanisms underlying disease states, diagnosis and treatment of these disorders; topics cover cell injury, inflammation, immunopathology, repair, regeneration and fibrosis.

Prerequisites: Bio Sci 203(P) or consent of instructor.

Last Taught: Spring 2019, Fall 2018, Summer 2018, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 302 Human Pathophysiology: Organ Systems I

1 cr. Undergraduate.

Pathological mechanisms underlying disease states, diagnosis and treatment of these disorders; topics cover developmental and genetic disorders, neoplasms, nervous system, bones, joints, skeletal muscle.

Prerequisites: BMS 301(C) or cons instr.

Last Taught: Fall 2018, Summer 2018, Fall 2017, Summer 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 303 Human Pathophysiology: Organ Systems II

1 cr. Undergraduate.

Pathological mechanisms underlying disease states, diagnosis and treatment of these disorders; topics cover cardiovascular, respiratory, blood and lymphoid systems, diabetes.

Prerequisites: BMS 301(C) or consent of instructor.

Last Taught: Fall 2018, Summer 2018, Fall 2017, Summer 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 304 Human Pathophysiology: Organ Systems III

1 cr. Undergraduate.

Pathological mechanisms underlying disease states, diagnosis and treatment of these disorders; topics cover gastrointestinal tract, pancreas, kidney, liver/biliary system, female and male reproductive systems.

Prerequisites: BMS 301(C) or consent of instructor.

Last Taught: Spring 2019, Summer 2018, Spring 2018, Summer 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 305 Human Pathophysiology: Organ Systems IV

1 cr. Undergraduate.

Pathological mechanisms underlying disease states, diagnosis/treatment of these disorders. Topics: endocrine system, infectious and parasitic diseases, environmental and nutritional factors related to morbidity/mortality.

Prerequisites: BMS 301(C) or consent of instructor.

Last Taught: Spring 2019, Summer 2018, Spring 2018, Summer 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 314X Human Pathophysiology I

3 cr. Undergraduate.

Study of human pathological processes. Emphasis is on interrelationships among organ systems and deviations from homeostasis.

Prerequisites: Bio Sci 202(P) & 203(P).

Course Rules: Counts as repeat of BMS 301 or BMS 302 or BMS 303.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 315X Human Pathophysiology II

2 cr. Undergraduate.

Study of human pathological processes. Emphasis is on interrelationships among organ systems and deviations from homeostasis.

Prerequisites: Bio Sci 202(P) & 203(P).

Course Rules: Counts as repeat of BMS 304 or BMS 305.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 332 Clinical Nutrition

2 cr. Undergraduate.

Nutritional needs throughout life; relationships between food habits and health problems; evaluating dietary information for deficiencies and imbalances.

Prerequisites: Chem 103(P), Bio Sci 202(P) & 203(P), or BMS 232(P) or HlthSci 232(P).

Last Taught: Spring 2019, UWinterIM 2019, Fall 2018, Summer 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 335 Echocardiography I

3 cr. Undergraduate.

Introduction to normal cardiovascular anatomy, the normal ultrasound exam and protocol for an echocardiogram.

Prerequisites: jr st in BioMed Sci prog or cons instr.

Last Taught: Fall 2009, Fall 2008, Fall 2007.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 403 Sonographic Physics I

1 cr. Undergraduate.

Study of the basic principles of acoustic transmission, reflection in tissues and transducer design in pulse echo systems.

Prerequisites: jr st in BioMed Sci prog or cons instr.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 404 Sonographic Physics II

1 cr. Undergraduate.

Study of the basic principles of near zone, far zone, beam profiles, beam focusing, transducer arrays.

Prerequisites: jr st in BioMed Sci prog) or cons instr.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 405 Sonographic Physics III

1 cr. Undergraduate.

Study of the basic principles of Doppler, acoustical exposure measurements, QA, bioeffects and the ALARA principle.

Prerequisites: jr st in BioMed Sci prog or cons instr.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 406 Diagnostic Medical Sonography (DMS) Abdomen I

4 cr. Undergraduate.

Study of normal and abnormal sonograms of the peritoneal space, pre-vertebral vessels, liver, biliary, pancreas and kidneys will be discussed.

Prerequisites: jr st in BioMed Sci prog or cons instr.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 407 Diagnostic Medical Sonography (DMS) Abdomen II

4 cr. Undergraduate.

Study of normal and abnormal sonograms of the spleen, transplant imaging, GI imaging and dedicated pediatric imaging will be discussed.

Prerequisites: jr st in BioMed Sci prog or cons instr.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 408 Vascular Sonography: CV & PV-Arterial

5 cr. Undergraduate.

Study of cerebrovascular anatomy, normal and abnormal, and ultrasound imaging, upper arterial ultrasound exams, anatomy and pathology and lower extremity arterial ultrasound.

Prerequisites: jr st in BioMed Sci prog or cons instr.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 409 Vascular Technology: Advanced**

4 cr. Undergraduate.

Study of peripheral vascular direct and indirect arterial and venous, normal and abnormal and abdominal Doppler.

Prerequisites: jr st in BioMed Sci prog or cons instr.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 410 Sonography Clinical Internship I**

5 cr. Undergraduate.

Students will successfully complete sonography clinical competency examinations, under the supervision of the clinical instructors.

Prerequisites: jr st in BioMed Sci prog or cons instr.**Last Taught:** Fall 2014, Fall 2013.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 411 Sonography Clinical Internship II**

5 cr. Undergraduate.

Students will successfully complete sonography clinical competency examinations, under the supervision of the clinical instructors.

Prerequisites: jr st in BioMed Sci prog or cons instr.**Last Taught:** Spring 2015, Spring 2014.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 420 Clinical Hematology**

3 cr. Undergraduate/Graduate.

Lectures in the production, regulation, function, and cytomorphology of normal hematopoietic elements. Introduction to hemostasis theory.

Prerequisites: jr st or cons instr.**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 420G Clinical Hematology**

3 cr. Undergraduate/Graduate.

Lectures in the production, regulation, function, and cytomorphology of normal hematopoietic elements. Introduction to hemostasis theory.

Prerequisites: jr st or cons instr.**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 421 Introduction To Hematology Laboratory**

1 cr. Undergraduate.

Clinical laboratory experiences in basic hematology techniques and instrumentation to evaluate hematopoietic elements. 3 hr lab.

Prerequisites: jr st in BioMed Sci prog or cons instr; BMS 420(C).**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 427 Clinical Immunology**

3 cr. Undergraduate/Graduate.

Fundamentals of Clinical Immunology, including cellular, humoral and molecular aspects. Correlation of laboratory test results with clinical disease states.

Prerequisites: jr st.**Last Taught:** Fall 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 427G Clinical Immunology**

3 cr. Undergraduate/Graduate.

Fundamentals of Clinical Immunology, including cellular, humoral and molecular aspects. Correlation of laboratory test results with clinical disease states.

Prerequisites: jr st.**Last Taught:** Fall 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 428 Clinical Immunology Laboratory**

1 cr. Undergraduate.

Laboratory experiments in clinical immunology and theories of testing concepts. 3 hr lab.

Prerequisites: jr st in BioMed Sci prog or cons instr; BMS 427(C).**Last Taught:** Fall 2018, Fall 2017, Fall 2016, Fall 2015.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 431 Clinical Chemistry**

3 cr. Undergraduate/Graduate.

Correlation of clinical chemistry with the pathophysiology of human disease.

Prerequisites: jr st; Chem 501(P) or cons instr; or grad st.**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 431G Clinical Chemistry**

3 cr. Undergraduate/Graduate.

Correlation of clinical chemistry with the pathophysiology of human disease.

Prerequisites: jr st; Chem 501(P) or cons instr; or grad st.**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 432 Clinical Chemistry Laboratory Theory & Operations**

1 cr. Undergraduate.

Theory and application of Clinical Chemistry laboratory principles. Focus on laboratory principles, quality assurance, theory of instrumentation, and laboratory problem solving.

Prerequisites: jr st in BioMed Sci prog or cons instr; Chem 501(P); BMS 431(C).**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 433 Teamwork in the Health Professions**

3 cr. Undergraduate.

Develop and demonstrate competency in best practices for professionalism, roles, responsibilities, teamwork, communication, ethics, and collaboration to improve the quality and safety of patient care.

Prerequisites: sr st or cons instr.**Last Taught:** Spring 2019.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 434 Professional Development in the Health Sciences**

3 cr. Undergraduate.

Knowledge and understanding about professional volunteerism, leadership, legislative, and advocacy efforts, certification and licensure, career pathways, growth, and advancement.

Prerequisites: sr st or cons instr.**Last Taught:** Spring 2019.**Current Offerings:** <https://catalog.uwm.edu/course-search/>

BMS 459 Introduction to 3D/4D Ultrasound

3 cr. Undergraduate.

Comparison of normal and pathological anatomy cases utilizing two, three and four dimensional sonography techniques.

Prerequisites: junior standing in BioMedical Science program or consent of instructor.

Last Taught: Fall 2013, Spring 2010, Spring 2009.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 462 Seminar in Ultrasound Research

3 cr. Undergraduate.

Student is assigned to a research project and mentor in didactic one-on-one sessions and performing clinical studies.

Prerequisites: jr st in BioMed Sci prog or cons instr.

Last Taught: Spring 2009.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 472 Radiographic Anatomy and Physiology IV

3 cr. Undergraduate.

Structure and physiology of the human body as they relate to radiography of the remaining systems. The physicochemical process.

Prerequisites: sr st in BioMed Sci prog or cons instr.

Last Taught: Fall 2012, Fall 2011, Fall 2010, Fall 2009.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 476 Radiographic Exposure IV

3 cr. Undergraduate.

Digital imaging concepts and conversion problems, qualities of contrast, density, detail, and distortion.

Prerequisites: sr st in BioMed Sci prog or cons instr.

Last Taught: Spring 2013, Spring 2012, Spring 2011, Spring 2010.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 481 Criminalistics

3 cr. Undergraduate.

Instruction on collection, preservation, and analysis of physical evidence from crime scenes. Instruction on the rules of evidence and expert testimony.

Prerequisites: jr st; admis to Forensic Sci cert prog; Anthro/Chem/BMS/ Crm Jst 281(P); Crm Jst 480 (P).

Course Rules: Anthro 481, Chem 481, BMS 481, & Crm Jst 481 are jointly offered; they count as repeats of one another.

Last Taught: Spring 2016, Spring 2012, Spring 2011, Spring 2010.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 497 Study Abroad:

1-12 cr. Undergraduate/Graduate.

Designed to enroll students in UWM sponsored program before course work level, content, and credits are determined and/or in specially prepared program course work.

Prerequisites: acceptance to Study Abroad Prog.

Course Rules: May be retaken w/chg in topic.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 497G Study Abroad:

1-12 cr. Undergraduate/Graduate.

Designed to enroll students in UWM sponsored program before course work level, content, and credits are determined and/or in specially prepared program course work.

Prerequisites: acceptance to Study Abroad Prog.

Course Rules: May be retaken w/chg in topic.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 501 Introduction to Cytotechnology

1 cr. Undergraduate.

Fieldwork to include lecture and laboratory instruction introducing the profession of Cytotechnology with emphasis on the role, responsibility, and ethics of the profession.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.

Last Taught: Fall 2013, Fall 2012, Fall 2011, Fall 2010.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 521 Applied Clinical Hematology

2 cr. Undergraduate.

Instruction in hematological laboratory techniques and the pathophysiology of disease of the reticuloendothelial system using case studies as a basis of discussion.

Prerequisites: sr st in BioMed Sci prog or cons instr.

Last Taught: Summer 2018, Summer 2017, Summer 2016, Summer 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 522 Hemostasis

1 cr. Undergraduate.

Correlation of basic theories of the hemostatic system with normal and abnormal clinical laboratory results. Introduction to basic methodology employed in differential diagnosis of hemostatic disorders.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.

Last Taught: Summer 2018, Summer 2017, Summer 2016, Summer 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 523 Lectures in Advanced Clinical Hematology

1 cr. Undergraduate.

Lectures dealing with abnormalities of hematopoiesis, and the blood dyscrasias, and examination of bone marrow and lymphnodes.

Prerequisites: BMS 420(320)(P) or cons instr.

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 524 Advanced Clinical Hematology Practicum

3 cr. Undergraduate.

Practical experience in the clinical laboratory dealing with both normal and abnormal hematology and body fluids.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.

Last Taught: Spring 2019, Spring 2018, Spring 2017, Spring 2016.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 529 Introduction to Immunohematology

3 cr. Undergraduate.

An introduction to the fundamentals of immunohematology and clinical blood banking.

Prerequisites: BMS 427(P) or cons instr.

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 530 Immunohematology and Blood Banking Laboratory

1 cr. Undergraduate.

Fundamental practical instruction in basic blood banking techniques.

Prerequisites: BMS 529(C) or cons instr.

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 531 Advanced Lectures in the Clinical Laboratory Sciences

1 cr. Undergraduate.

Clinical applications and relationships within the various disciplines of clinical laboratory sciences including discussion of current topics of interest in diagnostic medicine.

Prerequisites: sr st in BioMed Sci prog or cons instr.

Last Taught: Spring 2019, Spring 2018, Spring 2017, Spring 2016.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 532 Advanced Clinical Immunohematology and Immunology

3 cr. Undergraduate.

Practical instruction in clinical serology and immunohematology.

Correlation of test results with disease states.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.

Last Taught: Spring 2019, Spring 2018, Spring 2017, Spring 2016.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 534 Medical Microbiology

3 cr. Undergraduate/Graduate.

Advanced comprehensive study of microorganisms that influence human health and disease. Emphasis on identification/diagnosis and microbial attributes and mechanisms that facilitate infectious disease.

Prerequisites: jr st & Bio Sci 383(303)(P); or grad st; or cons instr.

Last Taught: Spring 2019, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 534G Medical Microbiology

3 cr. Undergraduate/Graduate.

Advanced comprehensive study of microorganisms that influence human health and disease. Emphasis on identification/diagnosis and microbial attributes and mechanisms that facilitate infectious disease.

Prerequisites: jr st & Bio Sci 383(303)(P); or grad st; or cons instr.

Last Taught: Spring 2019, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 535 Medical Microbiology Laboratory

2 cr. Undergraduate/Graduate.

Formal systematic laboratory study of microorganisms important in human health and disease. Emphasis on current methods of detection, identification and treatment. 4 hr lab.

Prerequisites: jr st & Bio Sci 383(303)(P), or cons instr; BMS 534(C).

Last Taught: Spring 2019, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 535G Medical Microbiology Laboratory

2 cr. Undergraduate/Graduate.

Formal systematic laboratory study of microorganisms important in human health and disease. Emphasis on current methods of detection, identification and treatment. 4 hr lab.

Prerequisites: jr st & Bio Sci 383(303)(P), or cons instr; BMS 534(C).

Last Taught: Spring 2019, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 536 Applied Clinical Microbiology

2 cr. Undergraduate.

Lectures and laboratory dealing with the systematic study of bacteria of medical importance to humans.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.

Last Taught: Summer 2018, Summer 2017, Summer 2016, Summer 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 537 Medical Parasitology and Mycology

2 cr. Undergraduate/Graduate.

Lectures and laboratory dealings with the medically significant parasitic and mycotic agents of human disease.

Prerequisites: sr st in BioMed Sci prog; or grad st; or cons instr.

Last Taught: Summer 2018, Summer 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 537G Medical Parasitology and Mycology

2 cr. Undergraduate/Graduate.

Lectures and laboratory dealings with the medically significant parasitic and mycotic agents of human disease.

Prerequisites: sr st in BioMed Sci prog; or grad st; or cons instr.

Last Taught: Summer 2018, Summer 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 538 Advanced Clinical Microbiology Practicum

3 cr. Undergraduate.

Clinical instruction in techniques utilized for the diagnosis of infectious disease, including special culture techniques.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.

Last Taught: Spring 2019, Fall 2018, Spring 2018, Spring 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 539 Public Health Microbiology

2 cr. Undergraduate/Graduate.

The role of microbiological analysis in public health and the current techniques for detecting, identifying, and enumerating pathogenic microorganisms.

Prerequisites: jr st & Bio Sci 383(303)(P), or grad st; or cons instr.

Last Taught: Fall 2018, Fall 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 539G Public Health Microbiology

2 cr. Undergraduate/Graduate.

The role of microbiological analysis in public health and the current techniques for detecting, identifying, and enumerating pathogenic microorganisms.

Prerequisites: jr st & Bio Sci 383(303)(P), or grad st; or cons instr.

Last Taught: Fall 2018, Fall 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 540 Public Health Microbiology Lab

2 cr. Undergraduate/Graduate.

Current laboratory techniques for detecting, identifying, and enumerating pathogenic microorganisms.

Prerequisites: jr st, or cons instr

Last Taught: Fall 2018, Fall 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 540G Public Health Microbiology Lab

2 cr. Undergraduate/Graduate.

Current laboratory techniques for detecting, identifying, and enumerating pathogenic microorganisms.

Prerequisites: jr st, or cons instr

Last Taught: Fall 2018, Fall 2017.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 541 Urinalysis

1 cr. Undergraduate.

Lecture and laboratory experience in clinical analysis of urine.

Prerequisites: sr st in BioMed Sci prog or cons instr.**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 542 Applied Clinical Chemistry**

2 cr. Undergraduate.

Systematic instruction in the laboratory determination of substances of principal interest to the diagnosis of human disease.

Prerequisites: sr st in BioMed Sci prog or cons instr.**Last Taught:** Summer 2018, Summer 2017, Summer 2016, Summer 2015.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 544 Advanced Clinical Chemistry Practicum**

3 cr. Undergraduate.

Experience in a hospital laboratory dealing with routine and specialized biochemical procedures and all phases of instrumentation currently used in this field.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 545 Human Histology**

3 cr. Undergraduate/Graduate.

A detailed study of the structure and function of human tissues.

Prerequisites: jr st.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 545G Human Histology**

3 cr. Undergraduate/Graduate.

A detailed study of the structure and function of human tissues.

Prerequisites: jr st.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 547 Clinical Laboratory Diagnosis**

5 cr. Undergraduate.

Lectures and laboratory covering special topics in the use of laboratory testing in clinical diagnosis of disease.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.**Last Taught:** Fall 2018, Fall 2017, Fall 2016, Fall 2015.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 548 Clinical Laboratory Practice**

5 cr. Undergraduate.

Experience in various laboratory techniques.

Prerequisites: sr st in BioMed Sci prog or cons prog dir.**Last Taught:** Spring 2019, Fall 2018, Spring 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 549 Professional Development in Clinical Laboratory Sciences**

3 cr. Undergraduate.

Discussion and participation in professional development activities.

Topics include: laboratory management, laboratory information systems, professional conduct, ethics, certification, job placement, and educational methodologies.

Prerequisites: senior standing in BioMedical Science program or consent of instructor.**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 552 Advanced Nutrition**

2 cr. Undergraduate/Graduate.

Nutrient utilization and human metabolism, nutritional influences in anthropology, epidemiology and international development issues.

Prerequisites: jr st; BMS 232(P) or Bio Sci 501(P).**Last Taught:** Spring 2008, Fall 2007.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 552G Advanced Nutrition**

2 cr. Undergraduate/Graduate.

Nutrient utilization and human metabolism, nutritional influences in anthropology, epidemiology and international development issues.

Prerequisites: jr st; BMS 232(P) or Bio Sci 501(P).**Last Taught:** Spring 2008, Fall 2007.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 555 Toxicology and Therapeutic Drug Monitoring**

1 cr. Undergraduate/Graduate.

Survey of the pharmacology and analytical methods for identification and quantitation of therapeutic and toxic substances.

Prerequisites: jr st, & Chem 341(P) or 345(P); or cons instr.**Last Taught:** Fall 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 555G Toxicology and Therapeutic Drug Monitoring**

1 cr. Undergraduate/Graduate.

Survey of the pharmacology and analytical methods for identification and quantitation of therapeutic and toxic substances.

Prerequisites: jr st, & Chem 341(P) or 345(P); or cons instr.**Last Taught:** Fall 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 560 Molecular and Genetic Diagnostics**

2 cr. Undergraduate/Graduate.

Introduction to principles and applications of DNA technology in the clinical laboratory.

Prerequisites:**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 560G Molecular and Genetic Diagnostics**

2 cr. Undergraduate/Graduate.

Introduction to principles and applications of DNA technology in the clinical laboratory.

Prerequisites:**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 561 Molecular Diagnostics Laboratory**

1 cr. Undergraduate/Graduate.

Clinical laboratory experiences in molecular diagnostic techniques and instrumentation.

Prerequisites: jr st & BMS 560(C); or grad st & BMS 705(P); or cons instr.**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 561G Molecular Diagnostics Laboratory**

1 cr. Undergraduate/Graduate.

Clinical laboratory experiences in molecular diagnostic techniques and instrumentation.

Prerequisites: jr st & BMS 560(C); or grad st & BMS 705(P); or cons instr.**Last Taught:** Spring 2019, Spring 2018.**Current Offerings:** <https://catalog.uwm.edu/course-search/>

BMS 575 Cytology of the Female Genital Tract - I

4 cr. Undergraduate.

Fieldwork to include lectures discussing the normal and abnormal cytology of the female genital tract.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Fall 2013, Fall 2012, Fall 2011, Fall 2010.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 576 Cytology of the Female Genital Tract - II**

4 cr. Undergraduate.

Fieldwork to include laboratory experience dealing with the study of the normal and abnormal cytology of the female genital tract.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Fall 2013, Fall 2012, Fall 2011, Fall 2010.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 577 Cytology of the Respiratory Tract**

3 cr. Undergraduate.

Lectures and laboratory experience in the study of the normal and abnormal cytology of the respiratory tract.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Fall 2013, Fall 2012, Fall 2011, Fall 2010.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 578 Cytology of the Gastrointestinal and the Genito-Urinary Tract**

2 cr. Undergraduate.

Fieldwork to include lecture and laboratory experience dealing with the normal and abnormal cytology of the G.I. and G.U. tracts.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Spring 2014, Spring 2013, Spring 2012, Spring 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 579 Cytology of Effusions and the Central Nervous System**

3 cr. Undergraduate.

Fieldwork to include lecture and laboratory experiences in the study of various body fluids in health and disease.

Prerequisites: sr st in BioMed Sci & cons prog dir.**Last Taught:** Spring 2014, Spring 2013, Spring 2012, Spring 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 580 Aspiration Cytology**

4 cr. Undergraduate.

Fieldwork to include lecture and laboratory experience dealing with aspiration cytology.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Spring 2014, Spring 2013, Spring 2012, Spring 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 581 Special Procedures in Cytology**

1 cr. Undergraduate.

Fieldwork to include lecture and laboratory experiences dealing with special procedures used in cytological diagnosis.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Spring 2014, Spring 2013, Spring 2012, Spring 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 582 Cytology of the Breast**

1 cr. Undergraduate.

Fieldwork to include lecture and laboratory experiences dealing with the normal and abnormal cytology of the breast.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Spring 2014, Spring 2013, Spring 2012, Spring 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 583 Cytology Preparation Techniques**

1 cr. Undergraduate.

Fieldwork to include laboratory preparation of gynecologic and non-gynecologic cytology specimens using several different instrument methodologies.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Summer 2014, Summer 2013, Summer 2012, Summer 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 585 Internship in Forensic Toxicology**

1-3 cr. Undergraduate.

Practical experience in a forensic toxicology laboratory under the supervision of a toxicologist.

Prerequisites: jr st; admis to Forensic Sci cert prog; Anthro/Chem/BMS/ Crm Jst 281(P) & 285(P); Chem 221(P) or 223(P); Crm Jst 480(P); Hepatitis B vaccine series or waiver.**Course Rules:** Anthro 585, Chem 585, BMS 585, & Crm Jst 585 are jointly offered; they count as repeats of one another.**Last Taught:** Spring 2002.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 586 Cytology Lab Operations and Quality Control**

1 cr. Undergraduate.

Basic administrative functions and quality control procedures utilized in the cytology laboratory.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Spring 2014, Spring 2013, Spring 2012, Spring 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 587 Research Methods in Cytology**

1 cr. Undergraduate.

Research methods in cytology through journal club, literature reviews, case studies, and library research.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Summer 2014, Summer 2013, Summer 2012, Summer 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 588 Diagnostic Microscopy in Cytology**

5 cr. Undergraduate.

Fieldwork in a functioning cytotechnology laboratory.

Prerequisites: sr st in BioMed Sci prog & cons prog dir.**Last Taught:** Summer 2014, Summer 2013, Summer 2012, Summer 2011.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 589 Internship in Death Investigation**

1-3 cr. Undergraduate.

Practical experience in death investigation under the supervision of a death investigator and forensic pathologist.

Prerequisites: jr st; admis to Forensic Sci cert prog; Anthro/Chem/BMS/ Crm Jst 281(P); Crm Jst 480(P); BMS 620(R); Hepatitis B vaccine series or waiver.**Course Rules:** Anthro 589, Chem 589, BMS 589 & Crm Jst 589 are jointly offered; they count as repeats of one another.**Last Taught:** Fall 2017, Spring 2002.**Current Offerings:** <https://catalog.uwm.edu/course-search/>

BMS 590 Topics in Clinical Laboratory Sciences:

1-5 cr. Undergraduate/Graduate.

Topics of current interest in the field of clinical laboratory sciences. The major theme for each semester offering will be posted.

Prerequisites: junior standing; consent of instructor for graduate credit.**Course Rules:** May be retaken with change in topic to max of 9 cr for grad students.**Last Taught:** Fall 2018, Spring 2017, Fall 2016, Spring 2016.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 594 Internship in Forensic Science**

1-3 cr. Undergraduate.

On-site shadowing of evidence analyst at State Crime Laboratory.

Prerequisites: jr st; admis to Forensic Sci cert prog; Anthro/Chem/BMS/ Crm Jst 281(P); Chem 221(P) or 223(P); Crm Jst 480(P); Hepatitis B vaccine series or waiver.**Course Rules:** Anthro 594, Chem 594, BMS(C L Sci) 594, & Crm Jst 594 are jointly offered; they count as repeats of one another.**Last Taught:** Spring 2016.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 599 Independent Study**

1-3 cr. Undergraduate.

Individualized experience which enables the student to study current topics of interest to the clinical laboratory scientist. Level of credit assigned based on time required for completion.

Prerequisites: cons instr & prog dir.**Course Rules:** May be retaken to 12 cr max.**Last Taught:** Fall 2018, Summer 2018, Spring 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 600 Contrast Diagnostic Imaging**

3 cr. Undergraduate/Graduate.

Use of contrast media in medical imaging diagnostic procedures.

Prerequisites: junior standing in BioMedical Science program; ARRT, ARDMS, or CCI Imaging Certification or completion of an Introductory Diagnostic Imaging course.**Last Taught:** Spring 2014.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 601 Molecular Imaging for Diagnostic Imaging**

3 cr. Undergraduate/Graduate.

Study of imaging principles utilized with molecular imaging. To include review of scientific publications for the use of molecular imaging to review various disease processes.

Prerequisites: junior standing in BioMedical Science program; ARRT, ARDMS, or CCI Imaging Certification or completion of an introductory Diagnostic Imaging course.**Last Taught:** Spring 2014.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 610 Pharmacology**

3 cr. Undergraduate/Graduate.

Lectures on pharmacokinetics, mechanisms of action, and physiological effects of toxic and therapeutic substances.

Prerequisites: jr st, Chem 501(P), or cons instr.**Last Taught:** Fall 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 610G Pharmacology**

3 cr. Undergraduate/Graduate.

Lectures on pharmacokinetics, mechanisms of action, and physiological effects of toxic and therapeutic substances.

Prerequisites: jr st, Chem 501(P), or cons instr.**Last Taught:** Fall 2018, Fall 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 615 Cellular and Molecular Toxicology**

3 cr. Undergraduate/Graduate.

Cellular and molecular mechanisms of toxicant interactions with critical target organelles and molecules and subsequent downstream cellular responses.

Prerequisites: jr st, Chem 501(P) or cons instr; or grad st.**Last Taught:** Spring 2018, Spring 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 615G Cellular and Molecular Toxicology**

3 cr. Undergraduate/Graduate.

Cellular and molecular mechanisms of toxicant interactions with critical target organelles and molecules and subsequent downstream cellular responses.

Prerequisites: jr st, Chem 501(P) or cons instr; or grad st.**Last Taught:** Spring 2018, Spring 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 701 Human Pathophysiology I**

3 cr. Graduate.

An advanced course in basic pathological mechanisms underlying production of human disease and effects on selected organ systems.

Prerequisites: grad st or cons instr.**Last Taught:** Fall 2018, Fall 2017, Fall 2016, Fall 2015.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 702 Human Pathophysiology II**

3 cr. Graduate.

A continuation of 701 dealing with pathogenesis of the major diseases of human organ systems.

Prerequisites: grad st; BMS 701(P) or cons instr.**Last Taught:** Spring 2018, Spring 2016, Spring 2015, Spring 2014.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 705 Molecular Pathology**

3 cr. Graduate.

Principles, methods, and applications of nucleic acid-based technologies in pathology and laboratory medicine.

Prerequisites: grad st or cons instr.**Course Rules:** Counts as repeat of BMS 590 with similar topic.**Last Taught:** Fall 2017, Fall 2015, Fall 2013, Fall 2009.**Current Offerings:** <https://catalog.uwm.edu/course-search/>**BMS 710 Seminar in Biomedical Sciences**

1 cr. Graduate.

Presentation of topics of current interest to the biomedical scientist.

Prerequisites: grad st or cons instr.**Course Rules:** May be repeated to max of 9 cr.**Last Taught:** Fall 2018, Spring 2018, Fall 2017, Spring 2017.**Current Offerings:** <https://catalog.uwm.edu/course-search/>

BMS 717 Laboratory Technology-Theory and Practice

1 cr. Graduate.

Fundamental laboratory bench techniques common to the biological sciences to prepare students for independent research.

Prerequisites: grad st.

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 718 Experimental Design, Research, and Epidemiologic Methods

1 cr. Graduate.

Fundamentals of laboratory, clinical and epidemiologic experimental design for beginning graduate students in the Health Sciences.

Prerequisites: grad st; Biostat or undergrad stats course or cons instr

Last Taught: Spring 2018, Spring 2017, Spring 2016, Spring 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 750 Infection and Immunity

3 cr. Graduate.

Immunobiology of the response to infectious disease agents of humans, with resulting clinical outcomes; mechanisms of immune evasion in establishing infection and causing disease.

Prerequisites: grad st; Lec courses in immunology and microbiology or cons instr

Last Taught: Fall 2017, Fall 2016, Fall 2015, Fall 2014.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 751 Immunopathology

3 cr. Graduate.

Examination of mechanisms by which abnormal, unwanted, or absent immune responses result in disease, including discussion of clinical presentation, diagnostic testing, and therapeutic intervention.

Prerequisites: grad st; BMS 750(P) or cons instr

Last Taught: Spring 2019, Spring 2017, Spring 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 756 Current Concepts in Cancer

3 cr. Graduate.

An overview of various forms of human cancer. Emphasis on cell markers and cytomorphology, etiology and kinetics.

Prerequisites: grad st or cons instr.

Last Taught: Fall 2018, Fall 2016, Fall 2014, Fall 1999.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 765 Molecular Pathophysiology

3 cr. Graduate.

Advanced theoretical skills and an appreciation of the current scientific literature in basic and clinical physiologic chemistry.

Prerequisites: grad st or cons instr; basic college chemistry class suggested

Last Taught: Spring 2018, Spring 2016, Spring 2014, Fall 2008.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 766 Advanced Cardiovascular Hemodynamics

3 cr. Graduate.

Study of fundamental principles of fluid mechanics as applicable to physiologic and biological systems. Topics include Poiseuille flow, circulatory flow resistance.

Prerequisites: Admission to Biomed Sci MS program; ARRT, ARDMS, or CCI Imaging Certification or completion of introductory course in diagnostic imaging

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 767 Comparative Analysis of Diagnostic Imaging

3 cr. Graduate.

Study of imaging principles evoked in utilizing multiple imaging modalities (DMS, CT, MRI and radiographic imaging) of both the normal and pathology findings.

Prerequisites: Admission to Biomed Sci MS program; ARRT, ARDMS, or CCI Imaging Certification or completion of introductory course in diagnostic imaging

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 768 Diagnostic Imaging of Acquired Heart Disease

3 cr. Graduate.

In-depth study of how acquired heart disease is imaged in the adult patient.

Prerequisites: Admission to Biomed Sci MS program; ARRT, ARDMS, or CCI Imaging Certification or completion of introductory course in diagnostic imaging

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 769 Diagnostic Imaging for Management of Cardiovascular Disease

3 cr. Graduate.

In-depth study of imaging used to monitor surgical and medical management of patients with cardiovascular disease.

Prerequisites: Admission to Biomed Sci MS program; ARRT, ARDMS, or CCI Imaging Certification or completion of introductory course in diagnostic imaging

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 775 Mechanisms of Infectious Disease

2 cr. Graduate.

Molecular and cellular means by which microorganisms facilitate infection, withstand or evade immune response, induce damage to host, and ensure transmission to human populations.

Prerequisites: grad st; lc & la course in medical microbiology
Course Rules: BMS 775 & PH 775 are jointly offered; they count as repeats of one another.

Last Taught: Spring 2018, Spring 2016, Spring 2014, Spring 2012.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 780 Emerging Infectious Diseases

3 cr. Graduate.

Detailed studies of those infectious diseases with both an emerging nature and a high impact on public health.

Prerequisites: grad st; background in microbiology, BMS 534 or BMS 539 or BioSci 383 (R)

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 782 Advanced Immunology

3 cr. Graduate.

Cellular basis of the immune response with emphasis on immunoregulation and clinical disease manifestations resulting from altered cellular immune function.

Prerequisites: grad st; course in immunology; or cons instr.

Last Taught: Spring 2010, Spring 2006, Spring 2004, Spring 2000.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 799 Research in Biomedical Sciences

1-8 cr. Graduate.

Prerequisites: grad st; cons instr.

Last Taught: Spring 2019, Fall 2018, Summer 2018, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 901 Seminar on Philosophical Approaches to Science

3 cr. Graduate.

The nature and function of sciences, the logic of the scientific method as it relates to health, and implications of research and practices in health care.

Prerequisites: grad st.

Course Rules: BMS 901 & LiblSt 901 are jointly offered; they count as repeats of one another.

Last Taught: Fall 2017, Fall 2016, Fall 2015, Fall 2013.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 909 Guided Teaching Experience in Health Sciences

3 cr. Graduate.

This course provides the student, under the supervision of a faculty member, with the opportunity to design, deliver, and evaluate an undergraduate course.

Prerequisites: grad st; Occ Thpy 900(P); cons instr

Course Rules: Jointly offered w/ and counts as a repeat of HCA 909.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 910 Advanced Seminar in Health Sciences

1 cr. Graduate.

Faculty, students, and guests present research topics in the Health Sciences.

Prerequisites: grad st

Course Rules: Retakable to 4 cr max.

Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 990 Research and Dissertation

1-6 cr. Graduate.

Preparation of a dissertation under the direction of the student's primary and secondary advisors.

Prerequisites: grad st; cons instr.

Last Taught: Spring 2019, Fall 2018, Summer 2018, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>

BMS 999 Advanced Independent Study

1-3 cr. Graduate.

Individualized experience enables student to study current topics of interest to the biomedical scientist. Level of credit assigned based on time required for completion.

Prerequisites: grad st; cons instr.

Last Taught: Spring 2019, Fall 2018, Summer 2018, Spring 2018.

Current Offerings: <https://catalog.uwm.edu/course-search/>