Admissions

Students interested in the study of medicine at the Warren Alpert Medical School of Brown University may apply through a variety of admission routes designed to create a highly qualified and diverse medical student body.

The majority of the 120 matriculants in the first-year class apply through the American College Application Service (AMCAS). Approximately (40%) of the first-year class enroll from Brown’s eight-year combined Bachelor’s-medical degree Program in Liberal Medical Education. These students are joined by students entering through special programs at institutions with which the medical school has formed linkages (postbaccalaureate and early identification). These admission routes are described below.

AMCAS Admission

Qualified students or graduates of accredited colleges or universities in the United States or Canada may apply to Alpert Medical School (AMS) through the AMCAS route. Individuals must first complete and submit the electronic AMCAS application, found on the website of the American Association of Medical Colleges (https://www.aamc.org), and indicate that they wish to apply to the Warren Alpert Medical School of Brown University. Applicants must also complete a web-based secondary application (forwarded by AMS Office of Admissions) and submit an application fee to be considered an eligible candidate for admission.

The AMCAS applicant pool for the most recent entering class (MD 2016) was competitive, with over 3300 applicants vying for 57 seats (of 120). The applicant pool was impressive in geographic scope and size, including residents of 49 states, the District of Columbia, the Commonwealth of Puerto Rico, and a number of foreign countries (predominantly Canada, China, and South Korea).

Additional information and related admission requirements may be found at http://www.brown.edu/academics/medical/admission/(http://www.brown.edu/academics/medical/admission/). The Office of Admissions may be contacted by email (MedSchool_Amissions@brown.edu) or telephone (401) 863-2149. Letters and other correspondence should be mailed to the Office of Admissions, Box G-M, Brown University, Providence, RI 02912-9706.

Program in Liberal Medical Education (PLME)

The Program in Liberal Medical Education is an eight-year continuum of liberal arts and medical education leading to both the bachelor’s and M.D. degrees. The PLME is open to high school graduates who have applied to and are simultaneously admitted to Brown for their undergraduate studies. The PLME seeks highly qualified and strongly motivated high school students who are committed to a career in medicine at an early age and who also wish to pursue another area of academic interest to an advanced level of scholarship within the framework of a broad liberal education.

From a large (approximately 2,000) and highly qualified applicant pool, roughly 50 students matriculate annually. For additional information regarding the PLME, access the website at http://www.brown.edu/academics/medical/plme/ or contact the College Admission Office, Brown University, Box 1876, Providence, RI 02912-9706; (401) 863-2378.

Postbaccalaureate Linkage Programs

The Postbaccalaureate (PB) Linkages are cooperative ventures between Alpert Medical School and the Premedical PB Programs at Bryn Mawr College, Columbia University, Johns Hopkins University, and Goucher College. Postbaccalaureate students enrolled in these programs may be offered admission to the medical school during the spring semester of their first year of study, thus allowing them to enter the medical school in the next class.

Selection occurs by a nomination process in which the premedical advisor selects candidates meeting established eligibility criteria (e.g., age, postbac grade point average). The number of PB students in each medical school class depends upon the number of places available as well as the caliber of the applicant pool. PB students nominated for admission must apply to AMCAS and complete an AMS secondary application. The MCAT is not required for admission. Timelines for this process are distributed to Program Directors on an yearly basis. Completed applications are reviewed by a subcommittee of the Admissions Committee, which selects nominees for interviews. The interviews follow the same protocol as that for AMCAS applicants and the same evaluation form is used.

The Early Identification Program (EIP)

The Early Identification Program (EIP) provides selected students at cooperating institutions with a place at Alpert Medical School upon graduation. This route provides opportunities for a medical career to two groups:

- Rhode Island residents enrolled at Providence College, Rhode Island College, and the University of Rhode Island; and
- Students enrolled at Tougaloo College, a historically black, liberal arts institution in Mississippi.

Eligible students are identified by their premedical advisor in the sophomore year of college, participate in selected PLME activities, and enroll in medical school after receiving the bachelor’s degree. Generally, up to two students may be admitted annually from each school. For more information and application procedures, please contact the premedical advisor at the participating institutions. For more information access the website at http://www.brown.edu/academics/medical/admission/other-routes-of-admission/(http://www.brown.edu/academics/medical/admission/other-routes-of-admission/).

Definition of Rhode Island Residency for Medical School Admission

An individual is considered a Rhode Island resident if he or she graduated from a Rhode Island high school and if the individual’s parent(s) have lived in Rhode Island for the previous two calendar years, as documented by federal tax returns. For dependent students, the custodial parent(s) must claim the student as a dependent on his or her federal tax returns for the prior two years. Individuals who are independent (i.e., not living with parents and filing individual federal tax returns for the previous two years) must have at least one parent residing in Rhode Island for the previous two years, as documented by federal tax returns.

Selection Factors

Students admitted to Alpert Medical School must attain competence in the sciences basic to medicine at a sufficient level to provide adequate preparation for medical school. Applicants are expected to demonstrate competence by successfully completing the following premedical course requirements at a college or university in the United States or Canada: one semester of organic chemistry; and two semesters of physics, inorganic chemistry, and social and behavioral sciences. The Medical College Admission Test (MCAT) is required for AMCAS route applicants. All applicants are selected on the basis of academic achievement, faculty evaluations, evidence of maturity, motivation, leadership, integrity, and compassion. For the PLME, Brown seeks highly qualified and strongly motivated students who wish to pursue an area of academic interest to an advanced level of scholarship within the framework of a liberal premedical education.

In order to be eligible for consideration, candidates must present a minimum cumulative grade point average of 3.00 (on a 4.00 scale) in courses taken as a matriculated student at an undergraduate college.

Applicants who have attended graduate school must achieve a cumulative grade point average of 3.00 (on a 4.00 scale) in courses taken in graduate school. Applicants must have completed requirements for the baccalaureate degree before matriculating into the medical school. All applicants must be capable of meeting the competency requirements expected of all graduates. Technological compensation can be made.
for some disabilities in certain competency requirements. Candidates accepted for admission who will need special accommodations cannot be admitted unless those supportive services are available, as determined by the Dean of Medicine and Biological Sciences. The processes for assessing whether applicants will be able to meet the competency requirements for the M.D. degree are described in Technical Standards for Medicine, listed below.

In keeping with the mission of Brown University, the office of admissions recognizes the importance of diversity to the success of the medical school. Dimensions of diversity include, but are not limited to: race, ethnicity, religious affiliation, gender identity, sexual orientation, veteran status, age, socioeconomic status and geographic background. Multicultural perspectives enrich educational understanding, improve outreach to the community, enhance trust and communication, and facilitate development of culturally appropriate clinical and research programs.

Technical Standards for Medicine

**Process for Assessing Whether Applicants Meet Technical Standards for Medicine:**

1. No inquiry will be made on the application forms concerning disability. Brown’s policies regarding technical abilities and skills necessary to meet the competency requirements are included with the letter of admission, and students are asked at that time to contact the Associate Dean for Medical Education if they have any concerns about their ability to meet these standards.

2. Applicants who are identified as having a disability through volunteered information, supporting credentials, or interviews will have an assessment of their ability to meet competency requirements only after a determination is made of their admissibility to the medical program.

3. Those applicants with disabilities deemed admissible to the Medical School will be requested to have submitted on their behalf appropriate documentation in regard to the disability from a qualified health professional. The health professional will be asked to provide an opinion on the candidate’s ability to meet the competency requirements for the M.D. degree. The applicant may also be requested to respond to that question.

4. The responses will be submitted to a committee appointed by the Dean of Medicine and Biological Sciences. This committee may ask for a review of the supporting documentation by appropriate members of the faculty in regard to the applicant’s meeting the competency requirements. The committee will ascertain what accommodations, if any, the medical program would need to make in order that the applicant might be able to meet the competency requirements, and assess the feasibility of any needed accommodations.

5. The committee will review the information received to determine if the applicant will be able to meet the competency requirements, with reasonable accommodations on the part of the medical program, if necessary.

6. The committee will recommend to the Dean of Medicine and Biological Sciences acceptance of applicants who can meet the competency requirements or will recommend nonacceptance if they cannot.

**Process for Assessing Student’s Ability to Continue in the Medical School Should Disability Occur After Matriculation at Brown University:**

1. A student who develops a disability after matriculation at Brown University may be identified to the Medical Student Affairs Office through a variety of sources, e.g., reporting of accident or illness by peers, family, friends, or faculty and subsequent follow-up with health professionals managing the care.

2. If the degree to which the student has become disabled raises questions related to meeting the competency requirements after a review by the Associate Dean for Medical Education, a meeting of an ad hoc committee will be set up to discuss the situation. The student will be asked to meet with the committee members, unless the disability is so severe that the student needs to be represented by another individual. In some cases, it might be more appropriate to have a health professional, not directly involved in the care, serve as a consultant to the committee on the issues surrounding the disability.

3. The ad hoc committee will develop a recommendation as to the student’s ability to successfully pursue a medical education based on his or her ability to meet the competency requirements of the medical program. These educational accommodations will be discussed with the appropriate course directors to be certain that there is agreement on how the student will be managed. If facilities accommodations are recommended, the committee will discuss these with the appropriate individuals to be certain that the needs for the disabled student can be provided. The committee’s recommendations will be discussed with the student or his or her representative in the event that the student cannot attend.

4. When the recommendation is that the disabled student can meet the medical program’s competency requirements, the committee will develop a report on any educational program accommodations that, if made, will still meet the competency requirements.

5. Should the decision of the committee be to recommend to the dean that the student be dropped from enrollment in the medical program, the normal due process appeals mechanism will be in effect, and the Student Affairs Office will work with the individual as appropriate on potential alternative career options. For students in the Program in Liberal Medical Education continuum, being dropped from the program due to inability to meet competency requirements for medical education does not necessitate the withdrawal of the student from the undergraduate college if that phase of the student’s education has not been completed.

Advanced Scholarship

Medical students who wish to earn an advanced degree (M.A., Sc.M., M.P.H., Ph.D.), must meet the requirements of the Graduate School. Numerous academic departments at Brown offer graduate programs. All graduate studies are carried out under the supervision of a faculty member of a graduate program at Brown University and are subject to the specific requirements of that program in addition to the general guidelines given below. Students should discuss their interests and goals with a director of a graduate program in planning any study that might lead to an advanced graduate degree.

Educational Programs

Program in Liberal Medical Education

The Program in Liberal Medical Education (PLME) offers a unique opportunity to combine undergraduate education and professional studies in medicine into an eight-year program.

The PLME is not an accelerated medical program. Rather, it encourages students to take advantage of the breadth of a liberal arts education, to take charge of their education, and to become active learners. At Brown, creative students need not sacrifice the benefits of a rich liberal arts education in order to gain admission to medical school.

The PLME provides great flexibility in curriculum planning. During the early years, students take courses related to their chosen concentration and to obtain a broad liberal education. In addition, students take courses designed to meet the competencies required for admission to Alpert Medical School. This begins with courses in the natural, social and behavioral sciences, and mathematics, which provide a foundation for later medical science and clinical courses.

Students may choose to work toward an A.B. or Sc.B. degree in the sciences, or to fulfill the requirements for an A.B. in the humanities, social sciences or behavioral sciences. Several interdisciplinary concentrations such as Public Policy and International Relations are also available. The expected duration of the program is eight years. The last four years of the program culminate in the M.D. degree.

Brown’s entire faculty is available to PLME students. This access to faculty throughout the University fosters collaborative teaching and research among scholars and students from widely divergent disciplines. Although the program is characterized by the unique breadth
of educational opportunities available to students, it has great strength in
the conventional biomedical sciences accompanied by in depth research
opportunities as well.

The Medical Curriculum
The Alpert Medical School curriculum has been designed and
implemented with the intention of creating an integrated, contemporary,
compassionate, and flexible program of learning for our students. Our
approach to medical education is predicated on the vision that tomorrow’s
physician must be a lifelong learner who is scientifically and clinically
enlightened, patient and service-centered, and who understands the
economic underpinnings of the US health care system. Our goal is to train
physicians who will provide informed and compassionate care while at
the same time serving as leaders and change agents for the health care
system. To achieve the latter goal, we aim to train physicians who will be
leaders at all levels.

These educational goals are pursued through a curriculum with the
following structure. During Years 1 and 2, students enroll in four sequential
semesters of Integrated Medical Sciences (IMS-I through -IV) and
Doctoring-I through -IV. The elective Scholarly Concentrations Program
is introduced to students during Year 1. Year 3 allows students to explore
core disciplines and related specialties through the completion of required
clerkships in medicine, surgery, pediatrics, obstetrics & gynecology,
psychiatry, and family medicine. The transition from the third year to
the fourth year takes place in May, after which time students have the
opportunity to develop a program of elective rotations aimed at finalizing a
career choice, and obtaining and preparing for a residency in their chosen
field.

Alpert Medical School continues to employ a competency-based
curriculum that was officially launched in 1996 for the graduating MD
Class of 2000. The rationale behind the competency-based curriculum
stems from the need to define the outcomes of the educational process:
what are the desirable qualities of a medical school graduate, and what
constitutes the essential knowledge base that will enable a graduate to
make a successful transition to his or her chosen medical field?

All students are expected to gain competency in the Nine Abilities (see
below) and knowledge base by graduation. Each course within the core
curriculum of the Medical School identifies which abilities and parts of the
knowledge base it addresses. Students may also meet the competency
requirements through individualized study, group independent study
projects (GISPs), or alternative courses that might be arranged as part of
collaborative learning opportunities.

Nine Abilities:
1. Effective communication
2. Basic clinical skills
3. Using basic science in the practice of medicine
4. Diagnosis, prevention, and treatment
5. Lifelong learning
6. Professionalism
7. Community health promotion and advocacy
8. Moral reasoning and clinical ethics
9. Clinical decision making

MD/PhD Program
Students interested in careers in academic medicine may want to consider
dual MD/PhD training. Applications are only accepted from current
PLME and Alpert Medical School students. Other interested individuals
must apply to the MD program (http://brown.edu/academics/medical/
admission/). Consideration for PhD training will take place during years 1,
2 or 3 of medical school.

Our approach to dual MD/PhD training offers curriculum flexibility.
Students may begin their graduate work after Year 2 or Year 3 of medical
school. Components of the requirements for the MD may be incorporated
into the graduate years, and graduate work can provide partial fulfillment
of the Year 4 requirements for the MD.

PLME students in their undergraduate years and medical students in
years 1, 2 or 3 must meet with the Associate Dean for Medical Education
to discuss entry into the MD/PhD program. Selection is based on past
research accomplishments, a clear commitment to a research career, and
academic achievement at Brown. Students without substantial research
experience will be advised to garner such experience before making an
application to the program. Applications will be considered not only by the
Associate Dean but also by representatives of the graduate program(s) of
interest to the student.

Learn more about the MD/PhD Program (https://www.brown.edu/
academics/medical/education/other-programs/md-phd/) at: https://
www.brown.edu/academics/medical/education/other-programs/md-phd/

MD/MPH Program
Students interested in the MD/MPH program must apply separately to
Alpert Medical School and to Brown University’s Graduate School.
Regardless of the route of admission to the medical school— PLME,
Standard, EIP, Postbaccalaureate, Advanced Standing—all students
are eligible to apply for the MPH during the first three years at the Alpert
Medical School.

There is no formal path for non-Brown medical students to enroll in the 5-
year MD/MPH Program. However, medical students from other schools
are welcome to apply to the MPH Program through the standard route and
they may request that up to 4 courses from their medical school curriculum
count toward the MPH degree.

Learn more about the MD/MPH Program (https://www.brown.edu/
academics/public-health/mph/dual-degrees/) at: https://www.brown.edu/
academics/public-health/mph/dual-degrees (https://www.brown.edu/
academics/public-health/mph/dual-degrees/)

Primary Care - Population Medicine
Combined MD-ScM Program
The Primary Care-Population Medicine (PC-PM) program is an
innovative,dual-degree curriculum that focuses on preparing students for a
career in medicine while providing comprehensive, longitudinal training in
population medicine.

The program will prepare medical students for leadership roles in health
care on the local, state, or national level in areas ranging from primary
care clinical service to research, education, and health policy.

This four-year program, the first of its kind in the United States, results
in the awarding of both a Doctor of Medicine and a Master of Science in
Population Medicine.

Learn more about the Primary Care - Population Medicine Combined MD-
ScM Program (https://www.brown.edu/academics/medical/education/other-
programs/primary-care-population-medicine/) at: https://www.brown.edu/
academics/medical/education/other-programs/primary-care-population-
m medicine/

SCM in Medical Physics
Medical Physics is one of the select non-MD specialties recognized by
the American Board of Medical Specialties. Medical Physicists contribute
to maintaining and improving the quality, safety and cost-effectiveness
of healthcare services through patient-oriented activities requiring expert
action, and optimized clinical use of medical devices, such as CT and MRI
scanners, linear accelerators, and treatment planning systems, including
patient risk and protection.

Activities are based on current best evidence or the Medical
physicists’ own scientific research when the available evidence is not
sufficient. The career path eventually leads to residency training and
certification by the American Board of Radiology.

Students will write a publishable thesis and engage in practical
experience, both of which are essential to securing a residency. This is
also the key metric of success for students and ultimately the program,
in addition to students’ academic success beyond residency and board
certification. In addition, the program will be distinctive in that students
will have a full semester to undertake their research and work closely with
faculty.
Learn more about the SCM in Medical Physics Program at: https://www.brown.edu/med-physics-graduate-program/

Brown Gateways to Medicine, Health Care, and Research - Master of Science in Medical Sciences

The Gateways Program at the Warren Alpert Medical School of Brown University provides academically promising, motivated students new pathways to careers in the health sciences.

In this one-year, full-time program, you will complete 8.5 required courses culminating in a Master of Science (ScM) in Medical Sciences from Brown University. Courses include all four of the basic science courses and two of the three organ system courses undertaken by first-year medical students at Alpert Medical School. You’ll also complete a unique seminar course series about pressing issues in today’s health care system, such as social determinants of disease, population health, interdisciplinary teamwork, quality improvement, and health care communication. Integrated into this course series will be a longitudinal service learning experience at a community healthcare site and an associated community-based capstone project.

Learn more about the ScM in Medical Sciences program (https://www.brown.edu/academics/medical/education/other-programs/gateways/master-science-medical-sciences/) at: https://www.brown.edu/academics/medical/education/other-programs/gateways/master-science-medical-sciences/)

For additional information regarding Alpert Medical School please visit the website at: http://brown.edu/academics/medical/

Courses

Biology

BIOL 3001. Clerkship in Medicine.
Twelve weeks.
Fall BIOL3001 S01 10001 Arranged 'To Be Arranged'
Fall BIOL3001 S02 10002 Arranged 'To Be Arranged'
Spr BIOL3001 S03 20001 Arranged 'To Be Arranged'
Spr BIOL3001 S04 20002 Arranged 'To Be Arranged'

BIOL 3005. Clerkship in Medicine - LIC.
No description available.
Fall BIOL3005 S01 10003 Arranged 'To Be Arranged'
Spr BIOL3005 S04 20003 Arranged 'To Be Arranged'

BIOL 3010. Systemic Pathology.
First-semester systemic pathology course building on the general principles of disease introduced in general pathology IMS-1. Objectives include learning the classification of systemic disease according to basic pathological mechanisms, describing and explaining the functional and structural changes produced by the most common diseases, and enhancing the ability to diagnose and treat patients. Runs in parallel with pathophysiology BIOL 3500; covers four organ system segments: cardiovascular, renal, and pulmonary and supporting structures.

BIOL 3015. Individualized Clerkship in Medicine.
No description available.
Fall BIOL3015 S12 10004 Arranged 'To Be Arranged'
Fall BIOL3015 S18 10005 Arranged 'To Be Arranged'

BIOL 3020. Nephrology.
No description available.
Fall BIOL3020 S12 10006 Arranged 'To Be Arranged'
Fall BIOL3020 S14 10007 Arranged 'To Be Arranged'
Fall BIOL3020 S24 10008 Arranged 'To Be Arranged'
Spr BIOL3020 S34 20004 Arranged 'To Be Arranged'

BIOL 3025. Longitudinal in Renal Disease.
No description available.

BIOL 3030. Clinical Nephrology.
No description available.
Fall BIOL3030 S12 10009 Arranged 'To Be Arranged'
Fall BIOL3030 S14 10010 Arranged 'To Be Arranged'
Fall BIOL3030 S22 10011 Arranged 'To Be Arranged'
Fall BIOL3030 S24 10012 Arranged 'To Be Arranged'

BIOL 3035. Clinical Nephrology.
No description available.
Fall BIOL3035 S12 10013 Arranged 'To Be Arranged'

BIOL 3040. Clinical Dermatology.
No description available.
Fall BIOL3040 S12 10014 Arranged 'To Be Arranged'
Fall BIOL3040 S14 10015 Arranged 'To Be Arranged'
Fall BIOL3040 S21 10016 Arranged 'To Be Arranged'
Fall BIOL3040 S22 10017 Arranged 'To Be Arranged'
Fall BIOL3040 S24 10018 Arranged 'To Be Arranged'
Spr BIOL3040 S32 20005 Arranged 'To Be Arranged'
Spr BIOL3040 S34 20006 Arranged 'To Be Arranged'

BIOL 3045. Advanced Dermatology.
No description available.

BIOL 3050. Gastroenterology.
No description available.
Fall BIOL3050 S12 10019 Arranged 'To Be Arranged'
Fall BIOL3050 S14 10020 Arranged 'To Be Arranged'
Fall BIOL3050 S22 10021 Arranged 'To Be Arranged'
Fall BIOL3050 S23 10022 Arranged 'To Be Arranged'
Fall BIOL3050 S24 10023 Arranged 'To Be Arranged'
Spr BIOL3050 S32 20007 Arranged 'To Be Arranged'
Spr BIOL3050 S34 20008 Arranged 'To Be Arranged'

BIOL 3060. Gastroenterology.
No description available.
Fall BIOL3060 S12 10024 Arranged 'To Be Arranged'
Fall BIOL3060 S14 10025 Arranged 'To Be Arranged'
Fall BIOL3060 S14 10026 Arranged 'To Be Arranged'
Fall BIOL3060 S22 10027 Arranged 'To Be Arranged'
Fall BIOL3060 S24 10028 Arranged 'To Be Arranged'
Spr BIOL3060 S32 20009 Arranged 'To Be Arranged'

BIOL 3065. Infectious Disease.
No description available.
Fall BIOL3065 S12 10029 Arranged 'To Be Arranged'
Fall BIOL3065 S14 10030 Arranged 'To Be Arranged'
Fall BIOL3065 S24 10031 Arranged 'To Be Arranged'
Spr BIOL3065 S34 20010 Arranged 'To Be Arranged'

BIOL 3070. Infectious Disease.
No description available.
Fall BIOL3070 S12 10032 Arranged 'To Be Arranged'
Fall BIOL3070 S14 10033 Arranged 'To Be Arranged'
Fall BIOL3070 S22 10034 Arranged 'To Be Arranged'
Fall BIOL3070 S23 10035 Arranged 'To Be Arranged'
Fall BIOL3070 S24 10036 Arranged 'To Be Arranged'
Spr BIOL3070 S34 20011 Arranged 'To Be Arranged'

BIOL 3073. Infectious Disease - Newport.
No description available.
Fall BIOL3073 S12 10037 Arranged 'To Be Arranged'
Fall BIOL3073 S14 10038 Arranged 'To Be Arranged'
Fall BIOL3073 S22 10039 Arranged 'To Be Arranged'
Fall BIOL3073 S24 10040 Arranged 'To Be Arranged'
Spr BIOL3073 S32 20012 Arranged 'To Be Arranged'

BIOL 3075. Infectious Disease.
No description available.
Fall BIOL3075 S14 10041 Arranged 'To Be Arranged'
Fall BIOL3075 S23 10042 Arranged 'To Be Arranged'
The Warren Alpert Medical School of Brown University 5

BIOL 3080. HIV/AIDS.
No description available.
Fall BIOL3080 S12 10043 Arranged 'To Be Arranged'
Fall BIOL3080 S14 10044 Arranged 'To Be Arranged'
Fall BIOL3080 S22 10045 Arranged 'To Be Arranged'
Fall BIOL3080 S23 10046 Arranged 'To Be Arranged'
Fall BIOL3080 S24 10047 Arranged 'To Be Arranged'
Spr BIOL3080 S31 20013 Arranged 'To Be Arranged'
Spr BIOL3080 S32 20014 Arranged 'To Be Arranged'
Spr BIOL3080 S33 20015 Arranged 'To Be Arranged'
Spr BIOL3080 S44 20016 Arranged 'To Be Arranged'

BIOL 3090. Allergy and Clinical Immunology Seminar.
The pathophysiology, diagnosis, and treatment of allergic and immunological diseases. Particularly addresses the following diseases: asthma, rhinitis, sinusitis, urticaria, anaphylaxis, primary immunodeficiencies, food allergy, allergic reactions to medications, atopic eczema and insect-sting allergy. Molecular, cellular, and genetic components of allergy and other immunologic inflammation guide consideration of the diagnosis, clinical management, and prevention of allergic and other immunological diseases.

BIOL 3100. Cardiology.
No description available.
Fall BIOL3100 S14 10048 Arranged 'To Be Arranged'
Fall BIOL3100 S21 10049 Arranged 'To Be Arranged'
Fall BIOL3100 S22 10050 Arranged 'To Be Arranged'
Fall BIOL3100 S24 10051 Arranged 'To Be Arranged'
Spr BIOL3100 S32 20017 Arranged 'To Be Arranged'
Spr BIOL3100 S33 20018 Arranged 'To Be Arranged'

BIOL 3110. Clinical Adult Cardiology.
No description available.
Fall BIOL3110 S13 10052 Arranged 'To Be Arranged'
Fall BIOL3110 S14 10053 Arranged 'To Be Arranged'
Fall BIOL3110 S22 10054 Arranged 'To Be Arranged'
Fall BIOL3110 S24 10055 Arranged 'To Be Arranged'
Spr BIOL3110 S33 20019 Arranged 'To Be Arranged'
Spr BIOL3110 S34 20020 Arranged 'To Be Arranged'

BIOL 3120. Coronary Care Unit.
No description available.
Fall BIOL3120 S12 10056 Arranged 'To Be Arranged'
Fall BIOL3120 S13 10057 Arranged 'To Be Arranged'
Fall BIOL3120 S14 10058 Arranged 'To Be Arranged'
Fall BIOL3120 S22 10059 Arranged 'To Be Arranged'
Fall BIOL3120 S24 10060 Arranged 'To Be Arranged'
Spr BIOL3120 S32 20021 Arranged 'To Be Arranged'
Spr BIOL3120 S34 20022 Arranged 'To Be Arranged'

BIOL 3130. Community General Cardiology.
No description available.
Fall BIOL3130 S12 10061 Arranged 'To Be Arranged'
Fall BIOL3130 S14 10062 Arranged 'To Be Arranged'
Fall BIOL3130 S22 10063 Arranged 'To Be Arranged'
Fall BIOL3130 S24 10064 Arranged 'To Be Arranged'
Spr BIOL3130 S32 20023 Arranged 'To Be Arranged'

BIOL 3140. Cardiology.
No description available.
Fall BIOL3140 S14 10065 Arranged 'To Be Arranged'
Fall BIOL3140 S22 10066 Arranged 'To Be Arranged'
Fall BIOL3140 S24 10067 Arranged 'To Be Arranged'
Spr BIOL3140 S34 20024 Arranged 'To Be Arranged'

BIOL 3150. Med/Peds Infectious Diseases.
No description available.
Fall BIOL3165 S14 10068 Arranged 'To Be Arranged'
Fall BIOL3165 S24 10069 Arranged 'To Be Arranged'
Spr BIOL3165 S32 20025 Arranged 'To Be Arranged'
Spr BIOL3165 S34 20026 Arranged 'To Be Arranged'

BIOL 3170. Urgent Care.
No description available.
Fall BIOL3170 S12 10070 Arranged 'To Be Arranged'
Fall BIOL3170 S21 10071 Arranged 'To Be Arranged'
Fall BIOL3170 S22 10072 Arranged 'To Be Arranged'
Fall BIOL3170 S24 10073 Arranged 'To Be Arranged'
Spr BIOL3170 S32 20027 Arranged 'To Be Arranged'

BIOL 3180. Hospice and Palliative Medicine.
No description available.
Fall BIOL3180 S12 10074 Arranged 'To Be Arranged'
Fall BIOL3180 S13 10075 Arranged 'To Be Arranged'
Fall BIOL3180 S14 10076 Arranged 'To Be Arranged'
Fall BIOL3180 S22 10077 Arranged 'To Be Arranged'
Fall BIOL3180 S24 10078 Arranged 'To Be Arranged'
Spr BIOL3180 S34 20028 Arranged 'To Be Arranged'

BIOL 3190. Palliative Care - RIH.
No description available.
Fall BIOL3190 S14 10079 Arranged 'To Be Arranged'
Spr BIOL3190 S33 20029 Arranged 'To Be Arranged'

BIOL 3200. Tropical Medicine in East Africa.
No description available.
Fall BIOL3200 S15 10081 Arranged 'To Be Arranged'
Fall BIOL3200 S18 10082 Arranged 'To Be Arranged'
Fall BIOL3200 S24 10084 Arranged 'To Be Arranged'
Fall BIOL3200 S25 10085 Arranged 'To Be Arranged'
Fall BIOL3200 S28 10086 Arranged 'To Be Arranged'

BIOL 3205. International Critical Care at Tuebingen.
No description available.

No description available.

BIOL 3210. Hospice and Palliative Medicine.
No description available.

BIOL 3215. Internal Medicine Night Float.
No description available.

BIOL 3220. Endocrinology.
No description available.
Fall BIOL3220 S14 10087 Arranged 'To Be Arranged'
Fall BIOL3220 S22 10088 Arranged 'To Be Arranged'
Fall BIOL3220 S24 10089 Arranged 'To Be Arranged'
Spr BIOL3220 S32 20030 Arranged 'To Be Arranged'
Spr BIOL3220 S34 20031 Arranged 'To Be Arranged'

BIOL 3230. Hematology Oncology - MH.
No description available.
Fall BIOL3230 S12 10090 Arranged 'To Be Arranged'
Fall BIOL3230 S14 10091 Arranged 'To Be Arranged'
Fall BIOL3230 S24 10092 Arranged 'To Be Arranged'
Spr BIOL3230 S32 20032 Arranged 'To Be Arranged'
Spr BIOL3230 S34 20033 Arranged 'To Be Arranged'

BIOL 3240. Clinical Hematology/Oncology.
No description available.
Fall BIOL3240 S14 10093 Arranged 'To Be Arranged'
Fall BIOL3240 S24 10094 Arranged 'To Be Arranged'
BIOL 3260. Hematology Oncology.
No description available.
Fall BIOL3260 S24 10095 Arranged 'To Be Arranged'

BIOL 3270. Hematology.
No description available.
Fall BIOL3270 S12 10096 Arranged 'To Be Arranged'
Fall BIOL3270 S14 10097 Arranged 'To Be Arranged'
Fall BIOL3270 S22 10098 Arranged 'To Be Arranged'
Fall BIOL3270 S24 10099 Arranged 'To Be Arranged'

BIOL 3280. Allergy.
No description available.
Fall BIOL3280 S12 10100 Arranged 'To Be Arranged'
Fall BIOL3280 S14 10101 Arranged 'To Be Arranged'
Fall BIOL3280 S22 10102 Arranged 'To Be Arranged'
Fall BIOL3280 S24 10103 Arranged 'To Be Arranged'
Spr BIOL3280 S32 20034 Arranged 'To Be Arranged'
Spr BIOL3280 S34 20035 Arranged 'To Be Arranged'

BIOL 3290. Pulmonary Diseases.
No description available.
Fall BIOL3290 S12 10104 Arranged 'To Be Arranged'
Fall BIOL3290 S14 10105 Arranged 'To Be Arranged'
Fall BIOL3290 S24 10106 Arranged 'To Be Arranged'
Spr BIOL3290 S22 20036 Arranged 'To Be Arranged'
Spr BIOL3290 S24 20037 Arranged 'To Be Arranged'

BIOL 3300. Pulmonary Diseases.
No description available.
Fall BIOL3300 S12 10107 Arranged 'To Be Arranged'
Fall BIOL3300 S14 10108 Arranged 'To Be Arranged'
Fall BIOL3300 S22 10109 Arranged 'To Be Arranged'
Fall BIOL3300 S24 10110 Arranged 'To Be Arranged'
Spr BIOL3300 S32 20038 Arranged 'To Be Arranged'
Spr BIOL3300 S34 20039 Arranged 'To Be Arranged'

BIOL 3310. Pulmonary Diseases.
No description available.
Fall BIOL3310 S12 10111 Arranged 'To Be Arranged'
Fall BIOL3310 S14 10112 Arranged 'To Be Arranged'
Fall BIOL3310 S22 10113 Arranged 'To Be Arranged'
Fall BIOL3310 S24 10114 Arranged 'To Be Arranged'
Spr BIOL3310 S34 20040 Arranged 'To Be Arranged'

BIOL 3315. Pulmonary - Inpatient - MH.
No description available.

BIOL 3320. Critical Care Consult Service.
No description available.
Fall BIOL3320 S12 10115 Arranged 'To Be Arranged'
Fall BIOL3320 S14 10116 Arranged 'To Be Arranged'
Fall BIOL3320 S22 10117 Arranged 'To Be Arranged'
Fall BIOL3320 S24 10118 Arranged 'To Be Arranged'
Spr BIOL3320 S34 20041 Arranged 'To Be Arranged'

BIOL 3325. Critical Care Elective.
No description available.
Fall BIOL3325 S12 10119 Arranged 'To Be Arranged'
Fall BIOL3325 S22 10120 Arranged 'To Be Arranged'

BIOL 3326. Concussion and Brain Injury Rehabilitation.
No description available.
Fall BIOL3326 S14 10121 Arranged 'To Be Arranged'

BIOL 3330. Subinternship in Medicine.
No description available.
Fall BIOL3330 S10 10122 Arranged 'To Be Arranged'
Fall BIOL3330 S12 10123 Arranged 'To Be Arranged'
Fall BIOL3330 S24 10124 Arranged 'To Be Arranged'
Spr BIOL3330 S34 20042 Arranged 'To Be Arranged'

BIOL 3331. Subinternship in Medicine - MH.
No description available.
Fall BIOL3331 S14 10125 Arranged 'To Be Arranged'
Fall BIOL3331 S24 10126 Arranged 'To Be Arranged'

BIOL 3332. Subinternship in Medicine - MHRI.
No description available.
Fall BIOL3332 S14 10127 Arranged 'To Be Arranged'
Fall BIOL3332 S24 10128 Arranged 'To Be Arranged'

BIOL 3333. Subinternship in Medicine - RIH.
No description available.
Fall BIOL3333 S14 10129 Arranged 'To Be Arranged'
Fall BIOL3333 S24 10130 Arranged 'To Be Arranged'

BIOL 3334. Subinternship in Medicine - VAMC.
No description available.
Fall BIOL3334 S14 10131 Arranged 'To Be Arranged'
Fall BIOL3334 S24 10132 Arranged 'To Be Arranged'

BIOL 3336. Subinternship in Hematology/Oncology.
No description available.
Fall BIOL3336 S14 10133 Arranged 'To Be Arranged'
Fall BIOL3336 S24 10134 Arranged 'To Be Arranged'

BIOL 3337. Subinternship in Medicine - Newport.
No description available.
Fall BIOL3337 S14 10135 Arranged 'To Be Arranged'
Fall BIOL3337 S24 10136 Arranged 'To Be Arranged'

BIOL 3340. Subinternship in Medical Intensive Care (MICU).
No description available.
Fall BIOL3340 S14 10137 Arranged 'To Be Arranged'
Fall BIOL3340 S24 10138 Arranged 'To Be Arranged'
Spr BIOL3340 S32 20043 Arranged 'To Be Arranged'
Spr BIOL3340 S34 20044 Arranged 'To Be Arranged'

BIOL 3350. Subinternship in Critical Care Medicine.
No description available.
Fall BIOL3350 S14 10139 Arranged 'To Be Arranged'
Fall BIOL3350 S24 10140 Arranged 'To Be Arranged'
Spr BIOL3350 S34 20045 Arranged 'To Be Arranged'

No description available.
Fall BIOL3370 S13 10141 Arranged 'To Be Arranged'
Fall BIOL3370 S24 10142 Arranged 'To Be Arranged'
Fall BIOL3370 S24 10143 Arranged 'To Be Arranged'
Spr BIOL3370 S34 20046 Arranged 'To Be Arranged'

BIOL 3390. Psychiatry in Medical Practice.
No description available.
Fall BIOL3390 S12 10144 Arranged 'To Be Arranged'
Fall BIOL3390 S14 10145 Arranged 'To Be Arranged'
Fall BIOL3390 S15 10146 Arranged 'To Be Arranged'
Fall BIOL3390 S22 10147 Arranged 'To Be Arranged'
Fall BIOL3390 S24 10148 Arranged 'To Be Arranged'
Fall BIOL3390 S24 10149 Arranged 'To Be Arranged'
Spr BIOL3390 S34 20047 Arranged 'To Be Arranged'

BIOL 3400. Medical Consultation - OB/Gyn.
No description available.
Fall BIOL3400 S14 10150 Arranged 'To Be Arranged'
Fall BIOL3400 S24 10151 Arranged 'To Be Arranged'
Spr BIOL3400 S34 20048 Arranged 'To Be Arranged'
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3405</td>
<td>Medical Consult in OB/Gyn and Periop Med.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3405 S12 10152 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3405 S14 10153 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3405 S22 10154 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3405 S23 10155 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3405 S24 10156 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3405 S34 20049 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3410. Internal Medicine in the Dominican Republic.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3410 S24 10157 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3415 S14 10158 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3420. Physical Medicine + Rehabilitation.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3420 S14 10159 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3420 S16 10160 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3420 S24 10161 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3425. Men's Health: Lifestyle Medicine in Practice.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3425 S24 10162 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3460. College Health Longitudinal.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>BIOL 3470. Issues Concerning Deaf Patients in Healthcare.</td>
<td>Students will gain understanding of the basics of communication with and among the Deaf, including ASL, lip-reading, current technologies, and the use of interpreters.</td>
</tr>
<tr>
<td></td>
<td>BIOL 3490. Cardiology.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3490 S14 10163 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3490 S22 10164 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3490 S23 10165 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3490 S24 10166 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3490 S34 20050 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3500. Cardiovascular Medicine - Outpatient and Inpatient Practice.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3500 S14 10167 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3500 S22 10168 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3500 S24 10169 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3500 S34 20051 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3505. Medical and Interventional Pain Management.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3505 S12 10170 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3505 S14 10171 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3505 S22 10172 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3505 S24 10173 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3505 S32 20052 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3505 S33 20053 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3510 S14 10174 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3510 S24 10175 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3515. Rheumatology Elective.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3515 S14 10176 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3515 S22 10177 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3515 S24 10178 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3516. Introduction to POCUS.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3516 S11 10179 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3516 S12 10180 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3516 S21 10181 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3516 S22 10182 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3517. Interprofessional Practice: A Nursing Perspective.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3517 S12 10183 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3517 S22 10184 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3518. Social Medicine.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3518 S14 10185 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3518 S24 10186 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3519. Intro to Lifestyle Medicine.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3519 S12 10187 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3519 S22 10188 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3551 S21 10189 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3552. Advanced Clinical Mentorship in Dermatology.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3552 S11 10190 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3552 S31 20054 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3552 S41 20055 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3553. Advanced Clinical Mentorship in Cardiology.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3553 S12 10191 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3555. Advanced Clinical Mentorship in Med/Peds Primary Care.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3555 S11 10192 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3556. Advanced Clinical Mentorship in Infectious Disease.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3556 S21 10193 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3557 S22 10194 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3558. Advanced Clinical Mentorship in Adult Oncology.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3558 S21 10195 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3559. Advanced Clinical Mentorship in Hematology/Oncology.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3559 S12 10196 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3559 S21 10197 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3559 S42 20056 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>BIOL 3560. Advanced Clinical Mentorship in Pulmonary Disease.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>BIOL 3561. Advanced Clinical Mentorship in Rheumatology.</td>
<td>No description available.</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3562 S11 10198 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3562 S12 10199 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3562 S21 10200 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Fall BIOL3562 S22 10201 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3562 S31 20057 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td>Spr BIOL3562 S41 20058 Arranged</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
</tbody>
</table>
BIOL 3563. Advanced Clinical Mentorship in Gastroenterology
No description available.

BIOL 3564. Advanced Clinical Mentorship in Functional Neurosurgery
No description available.
Fall BIOL3564 S11 10202 Arranged "To Be Arranged"
Fall BIOL3564 S12 10203 Arranged "To Be Arranged"
Fall BIOL3564 S21 10204 Arranged "To Be Arranged"

BIOL 3565. Advanced Clinical Mentorship in Neurology
No description available.
Fall BIOL3565 S11 10205 Arranged "To Be Arranged"
Fall BIOL3565 S21 10206 Arranged "To Be Arranged"
Fall BIOL3565 S22 10207 Arranged "To Be Arranged"
Spr BIOL3565 S41 20059 Arranged "To Be Arranged"

BIOL 3566. Advanced Clinical Mentorship in Orthopedic Surgery
No description available.
Fall BIOL3566 S11 10208 Arranged "To Be Arranged"
Fall BIOL3566 S21 10209 Arranged "To Be Arranged"
Spr BIOL3566 S41 20060 Arranged "To Be Arranged"

BIOL 3567. Advanced Clinical Mentorship in Anesthesiology
No description available.
Fall BIOL3567 S11 10210 Arranged "To Be Arranged"
Fall BIOL3567 S22 10211 Arranged "To Be Arranged"
Spr BIOL3567 S41 20061 Arranged "To Be Arranged"

BIOL 3568. Advanced Clinical Mentorship in Ophthalmology
No description available.
Fall BIOL3568 S11 10212 Arranged "To Be Arranged"
Fall BIOL3568 S12 10213 Arranged "To Be Arranged"
Fall BIOL3568 S21 10214 Arranged "To Be Arranged"
Fall BIOL3568 S22 10215 Arranged "To Be Arranged"
Spr BIOL3568 S31 20062 Arranged "To Be Arranged"
Spr BIOL3568 S41 20063 Arranged "To Be Arranged"

BIOL 3569. Advanced Clinical Mentorship in Surgery
No description available.
Fall BIOL3569 S11 10216 Arranged "To Be Arranged"
Fall BIOL3569 S12 10217 Arranged "To Be Arranged"
Fall BIOL3569 S21 10218 Arranged "To Be Arranged"
Fall BIOL3569 S22 10219 Arranged "To Be Arranged"
Spr BIOL3569 S41 20064 Arranged "To Be Arranged"

BIOL 3570. Advanced Clinical Mentorship in Pediatric Surgery
No description available.
Fall BIOL3570 S21 10220 Arranged "To Be Arranged"

BIOL 3571. Advanced Clinical Mentorship in Urology
No description available.
Spr BIOL3571 S31 20065 Arranged "To Be Arranged"

BIOL 3572. Advanced Clinical Mentorship in Hand Surgery
No description available.
Fall BIOL3572 S12 10221 Arranged "To Be Arranged"

BIOL 3573. Advanced Clinical Mentorship in ENT
No description available.
Fall BIOL3573 S11 10222 Arranged "To Be Arranged"

BIOL 3574. Advanced Clinical Mentorship in Pancreatic Surgery
No description available.

BIOL 3575. Advanced Clinical Mentorship in Pediatric Neurology
No description available.

BIOL 3576. Advanced Clinical Mentorship in Pediatrics
No description available.
Fall BIOL3576 S11 10223 Arranged "To Be Arranged"
Fall BIOL3576 S12 10224 Arranged "To Be Arranged"
Fall BIOL3576 S21 10225 Arranged "To Be Arranged"
Fall BIOL3576 S22 10226 Arranged "To Be Arranged"
Spr BIOL3576 S41 20066 Arranged "To Be Arranged"

BIOL 3577. Advanced Clinical Mentorship in OB/Gyn
No description available.
Fall BIOL3577 S11 10227 Arranged "To Be Arranged"
Fall BIOL3577 S12 10228 Arranged "To Be Arranged"
Fall BIOL3577 S21 10229 Arranged "To Be Arranged"
Fall BIOL3577 S22 10230 Arranged "To Be Arranged"
Spr BIOL3577 S31 20067 Arranged "To Be Arranged"
Spr BIOL3577 S41 20068 Arranged "To Be Arranged"

BIOL 3578. Advanced Clinical Mentorship in Outpatient Psychiatry
No description available.
Fall BIOL3578 S11 10231 Arranged "To Be Arranged"
Fall BIOL3578 S21 10232 Arranged "To Be Arranged"
Spr BIOL3578 S31 20069 Arranged "To Be Arranged"
Spr BIOL3578 S41 20070 Arranged "To Be Arranged"

BIOL 3579. Advanced Clinical Mentorship in Child Psychiatry
No description available.
Fall BIOL3579 S12 10233 Arranged "To Be Arranged"
Fall BIOL3579 S21 10234 Arranged "To Be Arranged"

BIOL 3580. Advanced Clinical Mentorship in Clinical Rehabilitation Medicine
No description available.

BIOL 3581. Advanced Clinical Mentorship in Emergency Medicine
No description available.
Fall BIOL3581 S11 10235 Arranged "To Be Arranged"
Fall BIOL3581 S12 10236 Arranged "To Be Arranged"
Fall BIOL3581 S21 10237 Arranged "To Be Arranged"
Fall BIOL3581 S22 10238 Arranged "To Be Arranged"
Spr BIOL3581 S31 20071 Arranged "To Be Arranged"
Spr BIOL3581 S41 20072 Arranged "To Be Arranged"

BIOL 3582. Advanced Clinical Mentorship in Pediatric Emergency Medicine
No description available.

BIOL 3583. Advanced Clinical Mentorship in Family Medicine
No description available.
Fall BIOL3583 S11 10239 Arranged "To Be Arranged"
Fall BIOL3583 S12 10240 Arranged "To Be Arranged"
Fall BIOL3583 S21 10241 Arranged "To Be Arranged"
Fall BIOL3583 S22 10242 Arranged "To Be Arranged"
Spr BIOL3583 S31 20073 Arranged "To Be Arranged"

BIOL 3584. Advanced Clinical Mentorship Vascular and Interventional Radiology
No description available.
Fall BIOL3584 S12 10243 Arranged "To Be Arranged"
Fall BIOL3584 S21 10244 Arranged "To Be Arranged"

BIOL 3585. Advanced Clinical Mentorship in Radiation Oncology
No description available.

BIOL 3586. Advanced Clinical Mentorship Independent Study
No description available.

BIOL 3587. Advanced Clinical Mentorship in Primary Care/Behavioral Medicine
No description available.

BIOL 3588. Advanced Clinical Mentorship in Plastic Surgery
No description available.
Fall BIOL3588 S12 10245 Arranged "To Be Arranged"
Fall BIOL3588 S21 10246 Arranged "To Be Arranged"

BIOL 3589. Advanced Clinical Mentorship in Refugee Health
No description available.
Fall BIOL3589 S21 10247 Arranged "To Be Arranged"
Fall BIOL3589 S11 10248 Arranged "To Be Arranged"
Spr BIOL3590 S41 20074 Arranged "To Be Arranged"
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Term</th>
<th>Section</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3591</td>
<td>Advanced Clinical Mentorship in Pediatric Endocrinology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3591 S11 10249</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3592</td>
<td>ACM in Pathology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3592 S41 20075</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3640</td>
<td>Doctoring 1.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3640 S01 10250</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3641</td>
<td>Integrated Medical Sciences I.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3641 S01 10251</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3642</td>
<td>IMS 1 - Scientific Foundations of Medicine.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3642 S01 10252</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3643</td>
<td>IMS-1 Histology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3643 S01 10253</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3644</td>
<td>IMS-1 Human Anatomy I.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3644 S01 10254</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3645</td>
<td>IMS-1 General Pathology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3645 S01 10256</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3650</td>
<td>Doctoring 2.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3650 S01 20076</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3651</td>
<td>Integrated Medical Sciences II - Comprehensive.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3651 S01 20077</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3652</td>
<td>IMS-2 Brain Sciences.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3652 S01 20078</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3653</td>
<td>IMS-2 Microbiology/Infectious Diseases.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3653 S01 20079</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3654</td>
<td>IMS-2 Endocrine Sciences.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3654 S01 10257</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3655</td>
<td>Human Anatomy II.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3655 S01 20081</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3656</td>
<td>Health Systems Science.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3656 S01 10258</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3657</td>
<td>Health Systems and Policy II.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3657 S01 20090</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3660</td>
<td>Doctoring 3.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3660 S01 10259</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3661</td>
<td>Integrated Medical Sciences III - Comprehensive.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3661 S01 10260</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3662</td>
<td>IMS-3 Cardiovascular.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3662 S01 10261</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3663</td>
<td>IMS-3 Pulmonary.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3663 S01 10262</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3664</td>
<td>IMS-3 Renal.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3664 S01 10263</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3665</td>
<td>IMS-II Supporting Structures.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3665 S01 10264</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3666</td>
<td>Integrated Medical Sciences III - Systemic Pathology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3666 S01 10265</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3667</td>
<td>Integrated Medical Sciences III - System-Based Pharmacology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3667 S01 10266</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3670</td>
<td>Doctoring 4.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3670 S01 20084</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3671</td>
<td>Integrated Medical Sciences IV - Comprehensive.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3671 S01 20085</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3672</td>
<td>IMS-4 Hematology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3672 S01 20086</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3673</td>
<td>IMS-4 Gastroenterology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3673 S01 20087</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3674</td>
<td>IMS-3 Human Reproduction.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3674 S01 10267</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3675</td>
<td>Integrated Medical Sciences IV - Systemic Pathology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3675 S01 20088</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3676</td>
<td>Integrated Medical Sciences IV - System-Based Pharmacology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3676 S01 20089</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3691</td>
<td>System-Based Pharmacology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3691 S12 10268</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3750</td>
<td>Neurology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3750 S13 10269</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3770</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3770 S14 10270</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3771</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3771 S15 10271</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3772</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3772 S16 10272</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3773</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Fall</td>
<td>BIOL3773 S17 10273</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3774</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3774 S18 10274</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3775</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3775 S19 10275</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3776</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3776 S20 10276</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
<tr>
<td>BIOL 3777</td>
<td>Clinical Neurology.</td>
<td>No description available.</td>
<td>Spr</td>
<td>BIOL3777 S21 20092</td>
<td>Arranged</td>
<td>'To Be Arranged'</td>
</tr>
</tbody>
</table>
BIOL 3775. Subinternship in Neurocritical Care.
No description available.
Fall BIOL3775 S14 10277 Arranged "To Be Arranged"
Fall BIOL3775 S24 10278 Arranged "To Be Arranged"
Spr BIOL3775 S34 20093 Arranged "To Be Arranged"

BIOL 3776. Elective in Neurocritical Care.
No description available.
Fall BIOL3776 S12 10279 Arranged "To Be Arranged"
Fall BIOL3776 S22 10280 Arranged "To Be Arranged"
Spr BIOL3776 S32 20094 Arranged "To Be Arranged"

No description available.
Fall BIOL3780 S14 10281 Arranged "To Be Arranged"
Fall BIOL3780 S24 10282 Arranged "To Be Arranged"

BIOL 3785. Subinternship in Neurology.
No description available.
Fall BIOL3785 S14 10283 Arranged "To Be Arranged"
Fall BIOL3785 S24 10284 Arranged "To Be Arranged"

BIOL 3790. Aging and Dementia.
No description available.
Fall BIOL3790 S12 10285 Arranged "To Be Arranged"
Fall BIOL3790 S22 10286 Arranged "To Be Arranged"
Fall BIOL3790 S24 10287 Arranged "To Be Arranged"
Spr BIOL3790 S32 20095 Arranged "To Be Arranged"
Spr BIOL3790 S34 20096 Arranged "To Be Arranged"

BIOL 3795. Elective Clerkship in Neurology.
No description available.
Fall BIOL3795 S14 10288 Arranged "To Be Arranged"
Fall BIOL3795 S24 10289 Arranged "To Be Arranged"

BIOL 3800. Neurosurgery.
No description available.
Fall BIOL3800 S12 10290 Arranged "To Be Arranged"
Fall BIOL3800 S13 10291 Arranged "To Be Arranged"
Fall BIOL3800 S14 10292 Arranged "To Be Arranged"
Fall BIOL3800 S22 10293 Arranged "To Be Arranged"
Fall BIOL3800 S24 10294 Arranged "To Be Arranged"
Spr BIOL3800 S32 20097 Arranged "To Be Arranged"
Spr BIOL3800 S34 20098 Arranged "To Be Arranged"

BIOL 3815. Subinternship in Neurosurgery.
No description available.
Fall BIOL3815 S14 10295 Arranged "To Be Arranged"
Fall BIOL3815 S15 10296 Arranged "To Be Arranged"
Fall BIOL3815 S24 10297 Arranged "To Be Arranged"

No description available.
Fall BIOL3820 S12 10298 Arranged "To Be Arranged"
Fall BIOL3820 S24 10299 Arranged "To Be Arranged"

BIOL 3890. Culture, Patient, Advocacy and the Community.
This course focuses on the knowledge, skills, and attitudes required for effective patient advocacy with an emphasis on the role of culture in developing advocacy partnerships with patients, families, peers and community service providers. Specifically, it examines the relationships between race, ethnicity, social factors, economic factors and health status indicators. The course will provide opportunities to build self-awareness, to develop greater insight into the social and community contexts of health care and patient advocacy, and to refine physician-patient communication skills.

Six weeks.
Fall BIOL3900 S01 10300 Arranged "To Be Arranged"
Fall BIOL3900 S02 10301 Arranged "To Be Arranged"
Spr BIOL3900 S03 20099 Arranged "To Be Arranged"

No description available.
Fall BIOL3905 S14 10302 Arranged "To Be Arranged"

BIOL 3910. Introduction to Surgical Oncology.
No description available.
Fall BIOL3910 S12 10303 Arranged "To Be Arranged"
Fall BIOL3910 S13 10304 Arranged "To Be Arranged"
Fall BIOL3910 S14 10305 Arranged "To Be Arranged"
Fall BIOL3910 S24 10306 Arranged "To Be Arranged"
Spr BIOL3910 S32 20100 Arranged "To Be Arranged"
Spr BIOL3910 S34 20101 Arranged "To Be Arranged"

BIOL 3915. Clerkship in Surgery - LIC.
No description available.
Fall BIOL3915 S01 10307 Arranged "To Be Arranged"
Spr BIOL3915 S04 20102 Arranged "To Be Arranged"

BIOL 3920. Surgery of the Alimentary Tract.
No description available.
Fall BIOL3920 S14 10308 Arranged "To Be Arranged"
Fall BIOL3920 S22 10309 Arranged "To Be Arranged"
Fall BIOL3920 S24 10310 Arranged "To Be Arranged"

BIOL 3930. Physical Medicine and Rehabilitation.
No description available.
Fall BIOL3930 S12 10311 Arranged "To Be Arranged"
Fall BIOL3930 S14 10312 Arranged "To Be Arranged"
Fall BIOL3930 S22 10313 Arranged "To Be Arranged"
Fall BIOL3930 S23 10314 Arranged "To Be Arranged"
Fall BIOL3930 S24 10315 Arranged "To Be Arranged"
Spr BIOL3930 S32 20103 Arranged "To Be Arranged"

No description available.
Fall BIOL3940 S14 10316 Arranged "To Be Arranged"
Fall BIOL3940 S24 10317 Arranged "To Be Arranged"
Spr BIOL3940 S32 20104 Arranged "To Be Arranged"
Spr BIOL3940 S34 20105 Arranged "To Be Arranged"

BIOL 3950. Outpatient Management of Musculoskeletal Problems.
No description available.
Fall BIOL3950 S12 10318 Arranged "To Be Arranged"
Fall BIOL3950 S14 10319 Arranged "To Be Arranged"
Fall BIOL3950 S22 10320 Arranged "To Be Arranged"
Fall BIOL3950 S24 10321 Arranged "To Be Arranged"
Spr BIOL3950 S32 20106 Arranged "To Be Arranged"
Spr BIOL3950 S34 20107 Arranged "To Be Arranged"

BIOL 3960. Subinternship in Orthopedic Surgery.
No description available.
Fall BIOL3960 S14 10322 Arranged "To Be Arranged"
Fall BIOL3960 S24 10323 Arranged "To Be Arranged"
Spr BIOL3960 S34 20108 Arranged "To Be Arranged"

BIOL 3965. Physical Medicine and Rehabilitation (PM&R): Outpatient.
No description available.
Fall BIOL3965 S13 10324 Arranged "To Be Arranged"
Fall BIOL3965 S14 10325 Arranged "To Be Arranged"
Fall BIOL3965 S24 10326 Arranged "To Be Arranged"

BIOL 3970. Orthopedic Surgery in the Community.
No description available.
Fall BIOL3970 S14 10327 Arranged "To Be Arranged"
Fall BIOL3970 S24 10328 Arranged "To Be Arranged"

BIOL 3975. Primary Care Orthopedics.
No description available.
Fall BIOL3975 S12 10329 Arranged "To Be Arranged"
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Department</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Department</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Department</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4000</td>
<td>Outpatient Orthopedics.</td>
<td></td>
<td></td>
<td>BIOL 4110</td>
<td>Anesthesia - MH.</td>
<td></td>
<td></td>
<td>BIOL 4011</td>
<td>Anesthesia - MH.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4010</td>
<td>Anesthesiology.</td>
<td></td>
<td></td>
<td>BIOL 4012</td>
<td>Anesthesiology - RH.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4013</td>
<td>Anesthesiology - WH.</td>
<td></td>
<td></td>
<td>BIOL 4010</td>
<td>Anesthesiology.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4012</td>
<td>Anesthesiology - RH.</td>
<td></td>
<td></td>
<td>BIOL 4110</td>
<td>Adult Cardiac Surgery.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4120</td>
<td>Cardiothoracic Surgery.</td>
<td></td>
<td></td>
<td>BIOL 4020</td>
<td>Pediatric Anesthesia.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4025</td>
<td>Subinternship in Anesthesiology.</td>
<td></td>
<td></td>
<td>BIOL 4030</td>
<td>Ophthalmology.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4040</td>
<td>Ophthalmology in a Missionary Hospital.</td>
<td></td>
<td></td>
<td>BIOL 4070</td>
<td>Ophthalmology.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4075</td>
<td>Pediatric Ophthalmology.</td>
<td></td>
<td></td>
<td>BIOL 4100</td>
<td>Pediatric Surgery.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4110</td>
<td>Adult Cardiac Surgery.</td>
<td></td>
<td></td>
<td>BIOL 4120</td>
<td>Cardiothoracic Surgery.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOL 4130</td>
<td>Subinternship in Cardiovascular Surgery.</td>
<td></td>
<td></td>
<td>BIOL 4100</td>
<td>Pediatric Surgery.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BIOL 4140. Endocrine Surgery.
No description available.
Fall BIOL4140 S14 10392 Arranged "To Be Arranged"
Fall BIOL4140 S22 10393 Arranged "To Be Arranged"
Fall BIOL4140 S23 10394 Arranged "To Be Arranged"
Spr BIOL4140 S34 20130 Arranged "To Be Arranged"

BIOL 4150. Clinical Urology.
No description available.
Fall BIOL4150 S14 10395 Arranged "To Be Arranged"
Fall BIOL4150 S22 10396 Arranged "To Be Arranged"
Fall BIOL4150 S24 10397 Arranged "To Be Arranged"
Spr BIOL4150 S34 20131 Arranged "To Be Arranged"

BIOL 4155. Subinternship in Urology.
No description available.
Fall BIOL4155 S14 10398 Arranged "To Be Arranged"
Fall BIOL4155 S24 10399 Arranged "To Be Arranged"
Spr BIOL4155 S34 20132 Arranged "To Be Arranged"

BIOL 4160. Elective in Gynecological Surgery.
No description available.
Fall BIOL4160 S14 10400 Arranged "To Be Arranged"
Fall BIOL4160 S24 10401 Arranged "To Be Arranged"
Spr BIOL4160 S34 20133 Arranged "To Be Arranged"

BIOL 4170. Plastic Surgery.
No description available.
Fall BIOL4170 S12 10402 Arranged "To Be Arranged"
Fall BIOL4170 S14 10403 Arranged "To Be Arranged"
Fall BIOL4170 S22 10404 Arranged "To Be Arranged"
Fall BIOL4170 S23 10405 Arranged "To Be Arranged"
Fall BIOL4170 S24 10406 Arranged "To Be Arranged"
Spr BIOL4170 S34 20134 Arranged "To Be Arranged"

No description available.
Fall BIOL4175 S14 10407 Arranged "To Be Arranged"
Fall BIOL4175 S24 10408 Arranged "To Be Arranged"

BIOL 4180. Subinternship in Surgery.
No description available.
Fall BIOL4180 S14 10409 Arranged "To Be Arranged"
Fall BIOL4180 S24 10410 Arranged "To Be Arranged"
Spr BIOL4180 S34 20135 Arranged "To Be Arranged"

BIOL 4181. Hand Surgery for Primary Care.
No description available.
Fall BIOL4181 S14 10411 Arranged "To Be Arranged"
Fall BIOL4181 S24 10412 Arranged "To Be Arranged"

BIOL 4185. Subinternship in Surgical Oncology.
No description available.
Fall BIOL4185 S14 10413 Arranged "To Be Arranged"
Fall BIOL4185 S24 10414 Arranged "To Be Arranged"

No description available.
Fall BIOL4190 S14 10415 Arranged "To Be Arranged"
Fall BIOL4190 S24 10416 Arranged "To Be Arranged"
Spr BIOL4190 S34 20136 Arranged "To Be Arranged"

BIOL 4195. Subinternship in Colon and Rectal Surgery.
No description available.
Fall BIOL4195 S14 10417 Arranged "To Be Arranged"
Fall BIOL4195 S24 10418 Arranged "To Be Arranged"

No description available.
Fall BIOL4197 S14 10419 Arranged "To Be Arranged"
Fall BIOL4197 S22 10420 Arranged "To Be Arranged"
Fall BIOL4197 S24 10421 Arranged "To Be Arranged"

BIOL 4199. Subinternship in Acute Care Surgery.
No description available.
Fall BIOL4199 S14 10422 Arranged "To Be Arranged"
Fall BIOL4199 S24 10423 Arranged "To Be Arranged"
Spr BIOL4199 S34 20137 Arranged "To Be Arranged"

BIOL 4210. Otorhinolaryngology.
No description available.
Fall BIOL4210 S12 10424 Arranged "To Be Arranged"
Fall BIOL4210 S14 10425 Arranged "To Be Arranged"
Fall BIOL4210 S21 10426 Arranged "To Be Arranged"
Fall BIOL4210 S22 10427 Arranged "To Be Arranged"
Fall BIOL4210 S24 10428 Arranged "To Be Arranged"
Spr BIOL4210 S32 20138 Arranged "To Be Arranged"
Spr BIOL4210 S34 20139 Arranged "To Be Arranged"

BIOL 4215. Subinternship in Otolaryngology.
No description available.
Fall BIOL4215 S14 10429 Arranged "To Be Arranged"

No description available.

BIOL 4230. Nutrition and Nutritional Support.
No description available.

BIOL 4250. Trauma.
No description available.

BIOL 4240. Ambulatory Plastic Surgery.
No description available.

BIOL 4250. Trauma.
No description available.

BIOL 4270. Subinternship in Cardiac Surgery.
No description available.

BIOL 4275. Introduction to Thoracic Surgery.
No description available.

BIOL 4280. 4th Year Surgery Boot Camp.
No description available.

BIOL 4290. Surgical Endoscopy in Managua Nicaragua.
No description available.

BIOL 4300. Orofacial Surgery.
No description available.

BIOL 4328. Internship Prep Course.
No description available.

BIOL 4330. Online Internship Prep Course.
No description available.
### BIOL 4345. Internship Prep Course.
No description available.
- Fall: BIOL4345 S21 10446 Arranged "To Be Arranged"
- Spr: BIOL4345 S31 20145 Arranged "To Be Arranged"

### BIOL 4500. Core Clerkship in Pediatrics.
Six weeks.
- Fall: BIOL4500 S01 10447 Arranged "To Be Arranged"
- Fall: BIOL4500 S02 10448 Arranged "To Be Arranged"
- Spr: BIOL4500 S03 20146 Arranged "To Be Arranged"

### BIOL 4505. Individualized Clerkship in Pediatrics.
No description available.
- Fall: BIOL4515 S01 10452 Arranged "To Be Arranged"
- Spr: BIOL4515 S04 20148 Arranged "To Be Arranged"

### BIOL 4520. Pediatric Neurology.
No description available.
- Fall: BIOL4520 S12 10453 Arranged "To Be Arranged"
- Fall: BIOL4520 S13 10454 Arranged "To Be Arranged"
- Fall: BIOL4520 S14 10455 Arranged "To Be Arranged"
- Fall: BIOL4520 S23 10456 Arranged "To Be Arranged"
- Fall: BIOL4520 S24 10457 Arranged "To Be Arranged"
- Spr: BIOL4520 S34 20149 Arranged "To Be Arranged"

### BIOL 4530. Pediatric Urology.
No description available.
- Fall: BIOL4530 S12 10458 Arranged "To Be Arranged"
- Fall: BIOL4530 S14 10459 Arranged "To Be Arranged"
- Fall: BIOL4530 S22 10460 Arranged "To Be Arranged"
- Spr: BIOL4530 S32 20150 Arranged "To Be Arranged"

No description available.
- Fall: BIOL4540 S12 10461 Arranged "To Be Arranged"
- Fall: BIOL4540 S14 10462 Arranged "To Be Arranged"
- Fall: BIOL4540 S22 10463 Arranged "To Be Arranged"
- Fall: BIOL4540 S23 10464 Arranged "To Be Arranged"
- Fall: BIOL4540 S24 10465 Arranged "To Be Arranged"
- Spr: BIOL4540 S32 20151 Arranged "To Be Arranged"
- Spr: BIOL4540 S34 20152 Arranged "To Be Arranged"

### BIOL 4550. Adolescent Medicine.
No description available.
- Fall: BIOL4550 S12 10466 Arranged "To Be Arranged"
- Fall: BIOL4550 S13 10467 Arranged "To Be Arranged"
- Fall: BIOL4550 S14 10468 Arranged "To Be Arranged"
- Fall: BIOL4550 S22 10469 Arranged "To Be Arranged"
- Fall: BIOL4550 S23 10470 Arranged "To Be Arranged"
- Fall: BIOL4550 S24 10471 Arranged "To Be Arranged"
- Spr: BIOL4550 S34 20153 Arranged "To Be Arranged"

### BIOL 4560. Pediatric Cardiology.
No description available.
- Fall: BIOL4560 S12 10472 Arranged "To Be Arranged"
- Fall: BIOL4560 S22 10473 Arranged "To Be Arranged"
- Fall: BIOL4560 S24 10474 Arranged "To Be Arranged"
- Spr: BIOL4560 S34 20154 Arranged "To Be Arranged"

### BIOL 4570. Pediatric Infectious Diseases.
No description available.
- Fall: BIOL4570 S12 10475 Arranged "To Be Arranged"
- Fall: BIOL4570 S14 10476 Arranged "To Be Arranged"
- Fall: BIOL4570 S24 10477 Arranged "To Be Arranged"
- Spr: BIOL4570 S33 20155 Arranged "To Be Arranged"
- Spr: BIOL4570 S34 20156 Arranged "To Be Arranged"

### BIOL 4580. Pediatric Endocrinology.
No description available.
- Fall: BIOL4580 S12 10478 Arranged "To Be Arranged"
- Fall: BIOL4580 S24 10479 Arranged "To Be Arranged"
- Spr: BIOL4580 S34 20157 Arranged "To Be Arranged"

### BIOL 4590. Ambulatory Pediatrics.
No description available.
- Fall: BIOL4560 S12 10480 Arranged "To Be Arranged"
- Spr: BIOL4560 S32 20158 Arranged "To Be Arranged"

### BIOL 4620. Subinternship in Perinatal Medicine (NICU).
No description available.
- Fall: BIOL4620 S14 10483 Arranged "To Be Arranged"
- Spr: BIOL4620 S34 20159 Arranged "To Be Arranged"

### BIOL 4630. Subinternship in Pediatrics.
No description available.
- Fall: BIOL4630 S14 10485 Arranged "To Be Arranged"
- Fall: BIOL4630 S24 10486 Arranged "To Be Arranged"
- Spr: BIOL4630 S34 20160 Arranged "To Be Arranged"

### BIOL 4640. Subinternship in Pediatric Critical Care.
No description available.
- Fall: BIOL4640 S14 10487 Arranged "To Be Arranged"
- Spr: BIOL4640 S34 20161 Arranged "To Be Arranged"

No description available.
- Fall: BIOL4650 S11 10489 Arranged "To Be Arranged"
- Fall: BIOL4650 S12 10490 Arranged "To Be Arranged"
- Fall: BIOL4650 S14 10491 Arranged "To Be Arranged"
- Fall: BIOL4650 S21 10492 Arranged "To Be Arranged"
- Fall: BIOL4650 S22 10493 Arranged "To Be Arranged"
- Fall: BIOL4650 S24 10494 Arranged "To Be Arranged"
- Spr: BIOL4650 S34 20162 Arranged "To Be Arranged"

### BIOL 4655. Gender Sexuality & Reproductive Justice.
No description available.
- Fall: BIOL4655 S14 10495 Arranged "To Be Arranged"
- Fall: BIOL4655 S24 10496 Arranged "To Be Arranged"
- Spr: BIOL4655 S34 20162 Arranged "To Be Arranged"

### BIOL 4670. Pediatrics in a Developing Country: Cambodia.
No description available.
- Fall: BIOL4670 S24 10497 Arranged "To Be Arranged"

### BIOL 4680. Subinternship in Pediatric Hematology-Onkology.
No description available.
- Fall: BIOL4680 S14 10498 Arranged "To Be Arranged"
- Fall: BIOL4680 S24 10499 Arranged "To Be Arranged"

### BIOL 4690. Pediatric Gastroenterology.
No description available.
BIOL 4900. Core Clerkship in Obstetrics and Gynecology.
Six weeks.
Fall BIOL4900 S01 10502 Arranged 'To Be Arranged'
Fall BIOL4900 S02 10503 Arranged 'To Be Arranged'
Spr BIOL4900 S03 20164 Arranged 'To Be Arranged'

BIOL 4905. Individualized Clerkship in Ob/Gyn.
No description available.

BIOL 4910. Subinternship in Maternal Fetal Medicine.
No description available.
Fall BIOL4910 S14 10504 Arranged 'To Be Arranged'
Fall BIOL4910 S24 10505 Arranged 'To Be Arranged'
Spr BIOL4910 S34 20165 Arranged 'To Be Arranged'

BIOL 4915. Clerkship in OB/Gyn - LIC.
No description available.
Fall BIOL4915 S01 10506 Arranged 'To Be Arranged'
Fall BIOL4915 S02 10507 Arranged 'To Be Arranged'
Spr BIOL4915 S04 20166 Arranged 'To Be Arranged'

BIOL 4920. Subinternship in Urogynecology + Reconstructive Pelvic Surgery.
No description available.
Fall BIOL4920 S14 10508 Arranged 'To Be Arranged'
Fall BIOL4920 S24 10509 Arranged 'To Be Arranged'

BIOL 4925. Outpatient General Obstetrics.
No description available.
Fall BIOL4925 S12 10510 Arranged 'To Be Arranged'
Fall BIOL4925 S14 10511 Arranged 'To Be Arranged'
Fall BIOL4925 S24 10512 Arranged 'To Be Arranged'

BIOL 4940. Reproductive Endocrinology and Infertility.
No description available.
Fall BIOL4940 S12 10513 Arranged 'To Be Arranged'
Fall BIOL4940 S14 10514 Arranged 'To Be Arranged'
Fall BIOL4940 S22 10515 Arranged 'To Be Arranged'
Fall BIOL4940 S23 10516 Arranged 'To Be Arranged'
Fall BIOL4940 S24 10517 Arranged 'To Be Arranged'
Spr BIOL4940 S34 20167 Arranged 'To Be Arranged'

BIOL 4950. Subinternship in Gynecologic Oncology and Pelvic Surgery.
No description available.
Fall BIOL4950 S12 10518 Arranged 'To Be Arranged'
Fall BIOL4950 S14 10519 Arranged 'To Be Arranged'
Fall BIOL4950 S22 10520 Arranged 'To Be Arranged'
Fall BIOL4950 S24 10521 Arranged 'To Be Arranged'
Spr BIOL4950 S34 20168 Arranged 'To Be Arranged'

BIOL 4955. Subinternship in Women's Ambulatory Ob-Gyn.
No description available.
Fall BIOL4955 S14 10522 Arranged 'To Be Arranged'
Fall BIOL4955 S24 10523 Arranged 'To Be Arranged'

BIOL 4960. Women's Reproductive Health Topics.
No description available.
Fall BIOL4960 S14 10524 Arranged 'To Be Arranged'
Fall BIOL4960 S24 10525 Arranged 'To Be Arranged'

BIOL 4970. Breast Disease.
No description available.
Fall BIOL4970 S13 10526 Arranged 'To Be Arranged'
Fall BIOL4970 S14 10527 Arranged 'To Be Arranged'
Fall BIOL4970 S22 10528 Arranged 'To Be Arranged'
Fall BIOL4970 S24 10529 Arranged 'To Be Arranged'

BIOL 4975. Gynecologic and Breast Pathology.
No description available.
Fall BIOL4975 S12 10530 Arranged 'To Be Arranged'
Fall BIOL4975 S14 10531 Arranged 'To Be Arranged'
Fall BIOL4975 S22 10532 Arranged 'To Be Arranged'
Fall BIOL4975 S24 10533 Arranged 'To Be Arranged'
Spr BIOL4975 S32 20169 Arranged 'To Be Arranged'

BIOL 4980. Patients with Women's Cancers.
No description available.
Fall BIOL4980 S14 10534 Arranged 'To Be Arranged'
Fall BIOL4980 S22 10535 Arranged 'To Be Arranged'
Fall BIOL4980 S24 10536 Arranged 'To Be Arranged'
Spr BIOL4980 S34 20170 Arranged 'To Be Arranged'

BIOL 4985. Family Planning & Reproductive Health.
No description available.
Fall BIOL4985 S12 10537 Arranged 'To Be Arranged'
Fall BIOL4985 S14 10538 Arranged 'To Be Arranged'
Fall BIOL4985 S24 10539 Arranged 'To Be Arranged'
Spr BIOL4985 S34 20171 Arranged 'To Be Arranged'

BIOL 4990. Clinical Cancer Genetics.
No description available.
Fall BIOL4990 S24 10540 Arranged 'To Be Arranged'
Spr BIOL4990 S33 20172 Arranged 'To Be Arranged'

BIOL 5100. Core Clerkship in Psychiatry.
Six weeks.
Fall BIOL5100 S01 10541 Arranged 'To Be Arranged'
Fall BIOL5100 S02 10542 Arranged 'To Be Arranged'
Spr BIOL5100 S03 20173 Arranged 'To Be Arranged'

BIOL 5105. Individualized Clerkship in Psychiatry.
No description available.

BIOL 5110. Subinternship in Psychiatry.
No description available.
Fall BIOL5110 S14 10543 Arranged 'To Be Arranged'
Fall BIOL5110 S24 10544 Arranged 'To Be Arranged'
Spr BIOL5110 S34 20174 Arranged 'To Be Arranged'

BIOL 5130. Addiction Psychiatry.
No description available.
Fall BIOL5130 S12 10545 Arranged 'To Be Arranged'
Fall BIOL5130 S13 10546 Arranged 'To Be Arranged'
Fall BIOL5130 S14 10547 Arranged 'To Be Arranged'
Fall BIOL5130 S22 10548 Arranged 'To Be Arranged'
Fall BIOL5130 S24 10549 Arranged 'To Be Arranged'
Spr BIOL5130 S34 20175 Arranged 'To Be Arranged'

No description available.
Fall BIOL5140 S14 10550 Arranged 'To Be Arranged'
Fall BIOL5140 S24 10551 Arranged 'To Be Arranged'
Spr BIOL5140 S34 20176 Arranged 'To Be Arranged'

BIOL 5150. Neuropsychiatry and Behavioral Neurology.
No description available.
Fall BIOL5150 S14 10552 Arranged 'To Be Arranged'
Fall BIOL5150 S22 10553 Arranged 'To Be Arranged'
Fall BIOL5150 S24 10554 Arranged 'To Be Arranged'

BIOL 5160. Women's Mental Health Elective.
No description available.
Fall BIOL5160 S12 10555 Arranged 'To Be Arranged'
Fall BIOL5160 S14 10556 Arranged 'To Be Arranged'
Fall BIOL5160 S22 10557 Arranged 'To Be Arranged'
Fall BIOL5160 S24 10558 Arranged 'To Be Arranged'
Spr BIOL5160 S34 20177 Arranged 'To Be Arranged'
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Semester</th>
<th>Section Code</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 5170</td>
<td>Correctional Psychiatry</td>
<td></td>
<td>Fall</td>
<td>S14 10559</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10560</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S33 20178</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5210</td>
<td>Child Psychiatry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S12 10561</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S14 10562</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S22 10563</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10564</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S32 20179</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S34 20180</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5220</td>
<td>Subinternship in Child Psychiatry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S14 10565</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10566</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5225</td>
<td>Gender &amp; Sexuality</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S14 10567</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10568</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5230</td>
<td>Emergency Psychiatry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S12 10569</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S14 10570</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S22 10571</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10572</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5240</td>
<td>Healthcare for Homeless Communities</td>
<td></td>
<td>Spr</td>
<td>S3 10573</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S4 10574</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5270</td>
<td>Psychiatry of Late Life</td>
<td></td>
<td>Fall</td>
<td>S14 10574</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S22 10575</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10576</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S34 10577</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5275</td>
<td>Addiction Medicine</td>
<td></td>
<td>Fall</td>
<td>S22 10577</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5300</td>
<td>Clerkship in Psychiatry-Clinical Neuroscience</td>
<td></td>
<td>Fall</td>
<td>S01 10578</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S02 10579</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5315</td>
<td>Clerkship in Psychiatry</td>
<td></td>
<td>Fall</td>
<td>S01 10580</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S02 10581</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S03 20184</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5320</td>
<td>Clerkship in Psychiatry - LIC</td>
<td></td>
<td>Fall</td>
<td>S01 10582</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S04 20185</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5325</td>
<td>Clerkship in Neurology</td>
<td></td>
<td>Fall</td>
<td>S01 10583</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S02 10584</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S03 20186</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5330</td>
<td>Clerkship in Neurology - LIC</td>
<td></td>
<td>Fall</td>
<td>S01 10585</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S04 20187</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5400</td>
<td>Core Clerkship in Community Health</td>
<td></td>
<td>Fall</td>
<td>S01 10586</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S02 10587</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5460</td>
<td>Physical Medicine and Rehabilitation</td>
<td></td>
<td>Fall</td>
<td>S23 10588</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10589</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5470</td>
<td>Rural Community Medicine</td>
<td></td>
<td>Fall</td>
<td>S12 10590</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S14 10591</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S22 10592</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10593</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S34 20188</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5490</td>
<td>Geriatrics and Rehabilitation</td>
<td></td>
<td>Fall</td>
<td>S12 10594</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S14 10595</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fall</td>
<td>S24 10596</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spr</td>
<td>S34 20189</td>
<td>&quot;To Be Arranged&quot;</td>
</tr>
<tr>
<td>BIOL 5510</td>
<td>Introduction to the Basic Science Curriculum in the Medical School</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5525</td>
<td>Medical French Elective</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5530</td>
<td>College Student Health</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5540</td>
<td>Controversies in Health Care Policy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5560</td>
<td>Law and Medicine</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5570</td>
<td>Elective in San Lucas Toliman, Guatemala</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5580</td>
<td>Frontier Nursing Service, Mary Breckinridge Hospital</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5590</td>
<td>Mississippi Family Health Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5600</td>
<td>Rural Family Practice</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5620</td>
<td>Emergency Medicine</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Description</td>
<td>Fall 2023</td>
<td>Spr 2023</td>
<td>Fall 2022</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>------------------------------</td>
<td>-------------</td>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>BIOL 5630</td>
<td>Emergency Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5630 S12 10601 Arranged to Be Arranged</td>
<td>Fall BIOL5630 S14 10602 Arranged to Be Arranged</td>
<td>Fall BIOL5630 S22 10603 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5640</td>
<td>Point of Care Ultrasound</td>
<td>No description available.</td>
<td>Fall BIOL5640 S14 10605 Arranged to Be Arranged</td>
<td>Fall BIOL5640 S22 10606 Arranged to Be Arranged</td>
<td>Fall BIOL5640 S24 10607 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5650</td>
<td>Pediatric Emergency Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5650 S14 10608 Arranged to Be Arranged</td>
<td>Fall BIOL5650 S22 10609 Arranged to Be Arranged</td>
<td>Fall BIOL5650 S23 10610 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5655</td>
<td>Sex and Gender Based Acute Care Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5655 S12 10612 Arranged to Be Arranged</td>
<td>Fall BIOL5655 S22 10613 Arranged to Be Arranged</td>
<td>Fall BIOL5655 S24 10614 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5660</td>
<td>Wilderness and Environmental Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5660 S14 10615 Arranged to Be Arranged</td>
<td>Fall BIOL5660 S24 10616 Arranged to Be Arranged</td>
<td></td>
</tr>
<tr>
<td>BIOL 5665</td>
<td>Subinternship in Emergency Med.</td>
<td>No description available.</td>
<td>Fall BIOL5665 S14 10615 Arranged to Be Arranged</td>
<td>Fall BIOL5665 S24 10616 Arranged to Be Arranged</td>
<td></td>
</tr>
<tr>
<td>BIOL 5670</td>
<td>EMS Systems of Care</td>
<td>No description available.</td>
<td>Fall BIOL5670 S24 10617 Arranged to Be Arranged</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5690</td>
<td>Spirituality and Medicine</td>
<td>No description available.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5700</td>
<td>Bridging the Bench and Bedside</td>
<td>No description available.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5730</td>
<td>Introduction to Medical Portuguese</td>
<td>No description available.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5735</td>
<td>Clerkship in Family Medicine - LIC</td>
<td>No description available.</td>
<td>Fall BIOL5735 S01 10618 Arranged to Be Arranged</td>
<td>Spr BIOL5735 S04 20197 Arranged to Be Arranged</td>
<td></td>
</tr>
<tr>
<td>BIOL 5800</td>
<td>Core Clerkship in Family Medicine</td>
<td>Six weeks.</td>
<td>Fall BIOL5800 S01 10619 Arranged to Be Arranged</td>
<td>Fall BIOL5800 S02 10620 Arranged to Be Arranged</td>
<td>Fall BIOL5800 S03 20198 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5801</td>
<td>Family Medicine Clerkship for MD/PhD students</td>
<td>No description available.</td>
<td>Fall BIOL5801 S11 10621 Arranged to Be Arranged</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5805</td>
<td>Individualized Clerkship in Family Medicine</td>
<td>No description available.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5810</td>
<td>Maternal and Child Health</td>
<td>No description available.</td>
<td>Fall BIOL5810 S12 10622 Arranged to Be Arranged</td>
<td>Fall BIOL5810 S13 10623 Arranged to Be Arranged</td>
<td>Fall BIOL5810 S14 10624 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5815</td>
<td>Subinternship in Maternal and Child Health</td>
<td>No description available.</td>
<td>Fall BIOL5815 S14 10628 Arranged to Be Arranged</td>
<td>Fall BIOL5815 S24 10629 Arranged to Be Arranged</td>
<td></td>
</tr>
<tr>
<td>BIOL 5820</td>
<td>Elective in Family Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5820 S12 10630 Arranged to Be Arranged</td>
<td>Fall BIOL5820 S14 10631 Arranged to Be Arranged</td>
<td>Fall BIOL5820 S22 10632 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5830</td>
<td>Free Clinic Preceptorship</td>
<td>No description available.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5850</td>
<td>Primary Care Sports Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5850 S12 10635 Arranged to Be Arranged</td>
<td>Fall BIOL5850 S14 10636 Arranged to Be Arranged</td>
<td>Fall BIOL5850 S22 10637 Arranged to Be Arranged</td>
</tr>
<tr>
<td>BIOL 5870</td>
<td>Subinternship in Family Medicine</td>
<td>No description available.</td>
<td>Fall BIOL5870 S14 10639 Arranged to Be Arranged</td>
<td>Fall BIOL5870 S24 10640 Arranged to Be Arranged</td>
<td></td>
</tr>
<tr>
<td>BIOL 5880</td>
<td>Clinical Skills Clerkship Teaching Academy</td>
<td>No description available.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 5885</td>
<td>Clinical Skills Clerkship</td>
<td>No description available.</td>
<td>Fall BIOL5885 S01 10641 Arranged to Be Arranged</td>
<td>Fall BIOL5885 S11 10642 Arranged to Be Arranged</td>
<td></td>
</tr>
</tbody>
</table>
BIOL 5895. Medical Spanish.
No description available.
Fall BIOL5895 S11 10643 Arranged
Fall BIOL5895 S12 10644 Arranged
Fall BIOL5895 S13 10645 Arranged
Fall BIOL5895 S14 10646 Arranged
Fall BIOL5895 S15 10647 Arranged
Fall BIOL5895 S21 10648 Arranged
Fall BIOL5895 S22 10649 Arranged
Fall BIOL5895 S24 10650 Arranged
Fall BIOL5895 S25 10651 Arranged
Fall BIOL5895 S26 10652 Arranged
Fall BIOL5895 S28 10653 Arranged
Spr BIOL5895 S31 20205 Arranged
Spr BIOL5895 S32 20206 Arranged
Spr BIOL5895 S33 20207 Arranged
Spr BIOL5895 S34 20208 Arranged
Spr BIOL5895 S35 20209 Arranged
Spr BIOL5895 S36 20210 Arranged
Spr BIOL5895 S37 20211 Arranged
Spr BIOL5895 S38 20212 Arranged
Spr BIOL5895 S41 20213 Arranged
Spr BIOL5895 S44 20214 Arranged
Spr BIOL5895 S48 20215 Arranged
BIOL 5896. Fundamentals of Health Policy and Management.
No description available.
Fall BIOL5896 S22 10654 Arranged
BIOL 5897. Self Study in EKG Interpretation.
No description available.
Fall BIOL5897 S11 10655 Arranged
Fall BIOL5897 S12 10656 Arranged
Fall BIOL5897 S13 10657 Arranged
Fall BIOL5897 S14 10658 Arranged
Fall BIOL5897 S21 10659 Arranged
Fall BIOL5897 S22 10660 Arranged
Fall BIOL5897 S24 10661 Arranged
Spr BIOL5897 S31 20218 Arranged
Spr BIOL5897 S32 20217 Arranged
Spr BIOL5897 S33 20218 Arranged
Spr BIOL5897 S34 20219 Arranged
Spr BIOL5897 S42 20220 Arranged
Spr BIOL5897 S43 20221 Arranged
Spr BIOL5897 S44 20222 Arranged
No description available.
BIOL 5899. Point of Care Ultrasound.
No description available.
Fall BIOL5899 S22 10662 Arranged
Spr BIOL5899 S32 20223 Arranged
BIOL 5900. Art and Medicine Seminar.
No description available.
BIOL 5920. Public Health and Primary Care in Rural Honduras.
No description available.
Fall BIOL5920 S11 10663 Arranged
BIOL 5990. Internship Preparation Elective.
No description available.
BIOL 6010. Human Anatomy.
No description available.
Fall BIOL6010 S11 10664 Arranged
Fall BIOL6010 S12 10665 Arranged
Fall BIOL6010 S14 10666 Arranged
Spr BIOL6010 S34 20224 Arranged
BIOL 6110. Applied Pathology.
No description available.
Fall BIOL6110 S12 10667 Arranged
Fall BIOL6110 S13 10668 Arranged
Fall BIOL6110 S14 10669 Arranged
Fall BIOL6110 S22 10670 Arranged
Fall BIOL6110 S24 10671 Arranged
Spr BIOL6110 S32 20225 Arranged
Spr BIOL6110 S34 20226 Arranged
BIOL 6120. Research in Perinatal/Pediatric Pathology.
No description available.
Fall BIOL6120 S12 10672 Arranged
Fall BIOL6120 S13 10673 Arranged
Fall BIOL6120 S22 10674 Arranged
Fall BIOL6120 S24 10675 Arranged
Spr BIOL6120 S34 20227 Arranged
BIOL 6140. Seminar in Clinical Pathological, Developmental and Pediatric Pathology.
No description available.
Fall BIOL6140 S11 10676 Arranged
Fall BIOL6140 S12 10677 Arranged
Fall BIOL6140 S14 10678 Arranged
Fall BIOL6140 S22 10679 Arranged
Fall BIOL6140 S24 10680 Arranged
Spr BIOL6140 S32 20228 Arranged
Spr BIOL6140 S34 20229 Arranged
BIOL 6150. Neuropathology.
No description available.
Fall BIOL6150 S11 10681 Arranged
Fall BIOL6150 S12 10682 Arranged
Fall BIOL6150 S14 10683 Arranged
Fall BIOL6150 S22 10684 Arranged
Fall BIOL6150 S24 10685 Arranged
Spr BIOL6150 S32 20230 Arranged
Spr BIOL6150 S34 20231 Arranged
BIOL 6155. Subinternship in Pathology.
No description available.
Fall BIOL6155 S14 10686 Arranged
BIOL 6160. Pathology & Lab Medicine.
No description available.
Fall BIOL6160 S24 10687 Arranged
BIOL 6260. Radiation Oncology in a Private Practice Setting.
No description available.
Fall BIOL6260 S22 10688 Arranged
Spr BIOL6260 S32 20232 Arranged
BIOL 6280. Diagnostic Radiology and Nuclear Medicine.
No description available.
Fall BIOL6280 S12 10689 Arranged
Fall BIOL6280 S22 10690 Arranged
Spr BIOL6280 S32 20233 Arranged
Spr BIOL6280 S34 20234 Arranged
BIOL 6290. Diagnostic Radiology.
No description available.
Fall BIOL6290 S12 10691 Arranged
Fall BIOL6290 S13 10692 Arranged
Fall BIOL6290 S14 10693 Arranged
Fall BIOL6290 S22 10694 Arranged
Fall BIOL6290 S23 10695 Arranged
Fall BIOL6290 S24 10696 Arranged
Spr BIOL6290 S32 20235 Arranged
Spr BIOL6290 S34 20236 Arranged
### BIOL 6300. Nuclear Medicine Preceptorship
No description available.
- Fall BIOL6300 S12 10697 Arranged "To Be Arranged"
- Fall BIOL6300 S21 10698 Arranged "To Be Arranged"
- Fall BIOL6300 S22 10699 Arranged "To Be Arranged"
- Fall BIOL6300 S24 10700 Arranged "To Be Arranged"
- Spr BIOL6300 S32 20237 Arranged "To Be Arranged"

### BIOL 6310. Subinternship in Interventional Radiology
No description available.
- Fall BIOL6310 S14 10701 Arranged "To Be Arranged"
- Fall BIOL6310 S24 10702 Arranged "To Be Arranged"

### BIOL 6320. Vascular and Interventional Radiology
No description available.
- Fall BIOL6320 S12 10703 Arranged "To Be Arranged"
- Fall BIOL6320 S13 10704 Arranged "To Be Arranged"
- Fall BIOL6320 S14 10705 Arranged "To Be Arranged"
- Fall BIOL6320 S22 10706 Arranged "To Be Arranged"
- Fall BIOL6320 S24 10707 Arranged "To Be Arranged"
- Spr BIOL6320 S32 20238 Arranged "To Be Arranged"

### BIOL 6330. Body Imaging and Intervention.
No description available.
- Fall BIOL6330 S12 10708 Arranged "To Be Arranged"
- Fall BIOL6330 S14 10709 Arranged "To Be Arranged"
- Fall BIOL6330 S22 10710 Arranged "To Be Arranged"
- Fall BIOL6330 S24 10711 Arranged "To Be Arranged"
- Spr BIOL6330 S32 20239 Arranged "To Be Arranged"
- Spr BIOL6330 S34 20240 Arranged "To Be Arranged"

### BIOL 6335. Cardiothoracic Imaging and Intervention.
No description available.
- Fall BIOL6335 S12 10712 Arranged "To Be Arranged"
- Fall BIOL6335 S14 10713 Arranged "To Be Arranged"
- Fall BIOL6335 S22 10714 Arranged "To Be Arranged"
- Spr BIOL6335 S34 20241 Arranged "To Be Arranged"

### BIOL 6340. Community Radiology - Newport.
No description available.
- Fall BIOL6340 S12 10715 Arranged "To Be Arranged"
- Fall BIOL6340 S22 10716 Arranged "To Be Arranged"
- Spr BIOL6340 S32 20242 Arranged "To Be Arranged"

### BIOL 6345. General Radiology Clinical Elective.
No description available.
- Fall BIOL6345 S14 10717 Arranged "To Be Arranged"
- Fall BIOL6345 S22 10718 Arranged "To Be Arranged"
- Fall BIOL6345 S24 10719 Arranged "To Be Arranged"

### BIOL 6350. Interventional Oncology.
No description available.

### BIOL 6360. Neuroradiology.
No description available.
- Fall BIOL6360 S12 10720 Arranged "To Be Arranged"
- Fall BIOL6360 S14 10721 Arranged "To Be Arranged"
- Fall BIOL6360 S22 10722 Arranged "To Be Arranged"
- Fall BIOL6360 S24 10723 Arranged "To Be Arranged"
- Spr BIOL6360 S32 20243 Arranged "To Be Arranged"
- Spr BIOL6360 S34 20244 Arranged "To Be Arranged"

### BIOL 6380. Pediatric Radiology.
No description available.
- Fall BIOL6380 S12 10724 Arranged "To Be Arranged"
- Fall BIOL6380 S13 10725 Arranged "To Be Arranged"
- Fall BIOL6380 S14 10726 Arranged "To Be Arranged"
- Fall BIOL6380 S22 10727 Arranged "To Be Arranged"
- Fall BIOL6380 S24 10728 Arranged "To Be Arranged"
- Spr BIOL6380 S32 20245 Arranged "To Be Arranged"

### BIOL 6390. Intro to Women's Diagnostic Imaging.
No description available.
- Fall BIOL6390 S12 10729 Arranged "To Be Arranged"
- Fall BIOL6390 S22 10730 Arranged "To Be Arranged"
- Spr BIOL6390 S32 20246 Arranged "To Be Arranged"

### BIOL 6400. Radiation Oncology.
No description available.
- Fall BIOL6400 S12 10731 Arranged "To Be Arranged"
- Fall BIOL6400 S14 10732 Arranged "To Be Arranged"
- Fall BIOL6400 S22 10733 Arranged "To Be Arranged"
- Fall BIOL6400 S24 10734 Arranged "To Be Arranged"
- Spr BIOL6400 S32 20247 Arranged "To Be Arranged"
- Spr BIOL6400 S34 20248 Arranged "To Be Arranged"

### BIOL 6410. Radiation Oncology Exploratory Elective.
No description available.
- Fall BIOL6410 S12 10735 Arranged "To Be Arranged"
- Fall BIOL6410 S22 10736 Arranged "To Be Arranged"
- Spr BIOL6410 S32 20249 Arranged "To Be Arranged"

### BIOL 6500. Cancer Action and Reflection (CARE).
No description available.

### BIOL 6501. Medical Chinese Elective.
Students will attain a working knowledge of Chinese relevant to medical practice in order to better communicate with and serve Chinese-speaking patients. Open to students who a proficient in the Mandarin dialect of Chinese.

### BIOL 6502. Intermediate Medical Spanish.
The course is designed for students to gain beginning-level competence in Medical Spanish that will enable them to communicate more effectively with Spanish-speaking patients and their families. Specifically, the students will develop critical Spanish lexicon and language skills for conducting the medical interview. Perquisite: Background in Spanish. Grading: S/NC.

### BIOL 6503. Introductions to Physical Medicine and Rehabilitation.
No description available.

### BIOL 6504. Health Care in America.
No description available.

### BIOL 6505. Introduction to Multidisciplinary Fetal Medicine.
An 8-session elective seminar for 2nd year medical school students. Emphasis is placed on the multidisciplinary approach to medical problems. The course concentrates on those conditions for which fetal and/or neonatal intervention may be indicated, from gene therapy to fetal surgical intervention.

### BIOL 6506. Medical Malpractice.
No description available.

### BIOL 6507. Introduction to Forensic Pathology.
No description available.

### BIOL 6508. Physical Diagnosis Rounds.
The goal of the course is to provide medical students with the knowledge needed to effectively and competently work with a growingly diverse patient (and colleague) population. Contemporary medical school curricula are lacking in the instruction and discussion of patients of all genders and sexualities. This elective will address this need. The course will consist of eight 2-hour sessions, with guest speakers lecturing for the first hour and small group discussion happening for the second hour. Students are required to keep a journal of their experiences as their final assignment for the class. The class will be graded S/NC.

The topics range from LGBTQ Teenagers to Institutionalized Homophobia to Hormone Therapy, led by experts in each field.

### BIOL 6509. Introduction to Surgical Subspecialties.
No description available.

No description available.
The Wilderness Medicine elective is designed to instill the basic survival skills training necessary for environments outside the hospital, both urban and wild. It combines didactic lectures on such topics as toxicology and travel medicine with field skills sessions & workshops (e.g. suturing, splinting). These sessions also include mock medical scenarios, such as near drownings, for the students to handle. It includes off-campus consultation with experts to review their medical emergency procedures. A final project consisting of writing about a popular wilderness myth and its voracity is required.
BIOL 6672. Introduction to Trauma.
No description available.

BIOL 6674. Introduction to Diagnostic Imaging.
No description available.

BIOL 6675. The Business of Medicine.
No description available.

BIOL 6676. Intro to Dermatology.
No description available.

BIOL 6677. Digital Health.
No description available.

BIOL 6678. Incarceration and Health.
No description available.

BIOL 6679. San Miguel Project.
No description available.

BIOL 6680. AMS Medical Ethics.
No description available.

BIOL 6681. Integrative Medicine in Practice.
No description available.

BIOL 6682. Music and Medicine.
No description available.

BIOL 6683. Introduction to the Electronic Health Record.
No description available.

No description available.

BIOL 6685. Medicine in Film & TV.
No description available.

BIOL 6686. BE REAL About Health.
No description available.

BIOL 6687. Trauma-Informed Patient Care.
No description available.

BIOL 6688. Intro to Orthopaedic Surgery.
No description available.

BIOL 6689. Pathways to Medicine.
No description available.

BIOL 6690. An Introduction to the History of Medicine.
No description available.

BIOL 6691. Introduction to Urology.
No description available.

BIOL 6692. Introduction to Interventional Radiology.
No description available.

BIOL 6693. Sexual Assault and Domestic Violence Training.
No description available.

BIOL 6695. Exploring the Biopsychosocial Model.
No description available.

BIOL 6696. Research in Medicine.
No description available.

BIOL 6697. Studio Art for Medical Practitioners.
No description available.

BIOL 6698. Vital Signs: Intro to Deaf Culture and American Sign Language.
No description available.

BIOL 6700. Spirituality in Healthcare.
No description available.

BIOL 6701. Last Mile Healthcare Delivery.
No description available.

BIOL 6702. Medical Documentary.
No description available.

BIOL 6703. Housing, Disability & Health Justice.
No description available.
BIOL 7010. Away Elective 2.
No description available.
Fall BIOL7010 S11 10748 Arranged 'To Be Arranged'
Fall BIOL7010 S12 10749 Arranged 'To Be Arranged'
Fall BIOL7010 S13 10750 Arranged 'To Be Arranged'
Fall BIOL7010 S14 10751 Arranged 'To Be Arranged'
Fall BIOL7010 S21 10752 Arranged 'To Be Arranged'
Fall BIOL7010 S22 10753 Arranged 'To Be Arranged'
Fall BIOL7010 S23 10754 Arranged 'To Be Arranged'
Fall BIOL7010 S24 10755 Arranged 'To Be Arranged'
Fall BIOL7010 S25 10756 Arranged 'To Be Arranged'
Fall BIOL7010 S26 10757 Arranged 'To Be Arranged'
Spr BIOL7010 S31 20255 Arranged 'To Be Arranged'
Spr BIOL7010 S32 20256 Arranged 'To Be Arranged'
Spr BIOL7010 S34 20257 Arranged 'To Be Arranged'

BIOL 7020. Away Elective 3.
No description available.
Fall BIOL7020 S14 10758 Arranged 'To Be Arranged'
Fall BIOL7020 S22 10759 Arranged 'To Be Arranged'
Fall BIOL7020 S23 10760 Arranged 'To Be Arranged'
Fall BIOL7020 S24 10761 Arranged 'To Be Arranged'
Spr BIOL7020 S31 20258 Arranged 'To Be Arranged'
Spr BIOL7020 S34 20259 Arranged 'To Be Arranged'

BIOL 7030. Away Elective 4.
No description available.
Fall BIOL7030 S23 10762 Arranged 'To Be Arranged'
Fall BIOL7030 S24 10763 Arranged 'To Be Arranged'

BIOL 7040. Away Elective 5.
No description available.

BIOL 7050. Away Elective.
No description available.

BIOL 7100. Independent Study 1.
No description available.
Fall BIOL7100 S11 10764 Arranged 'To Be Arranged'
Fall BIOL7100 S12 10765 Arranged 'To Be Arranged'
Fall BIOL7100 S13 10766 Arranged 'To Be Arranged'
Fall BIOL7100 S14 10767 Arranged 'To Be Arranged'
Fall BIOL7100 S15 10768 Arranged 'To Be Arranged'
Fall BIOL7100 S16 10769 Arranged 'To Be Arranged'
Fall BIOL7100 S17 10770 Arranged 'To Be Arranged'
Fall BIOL7100 S18 10771 Arranged 'To Be Arranged'
Fall BIOL7100 S20 10772 Arranged 'To Be Arranged'
Fall BIOL7100 S21 10773 Arranged 'To Be Arranged'
Fall BIOL7100 S22 10774 Arranged 'To Be Arranged'
Fall BIOL7100 S24 10776 Arranged 'To Be Arranged'
Fall BIOL7100 S25 10777 Arranged 'To Be Arranged'
Fall BIOL7100 S26 10778 Arranged 'To Be Arranged'
Fall BIOL7100 S27 10779 Arranged 'To Be Arranged'
Fall BIOL7100 S28 10780 Arranged 'To Be Arranged'
Fall BIOL7100 S2A 10781 Arranged 'To Be Arranged'
Fall BIOL7100 S2B 10782 Arranged 'To Be Arranged'
Fall BIOL7100 S2C 10783 Arranged 'To Be Arranged'
Fall BIOL7100 S2D 10784 Arranged 'To Be Arranged'
Fall BIOL7100 S34 10785 Arranged 'To Be Arranged'
Fall BIOL7100 S55 10786 Arranged 'To Be Arranged'
Fall BIOL7100 S58 10787 Arranged 'To Be Arranged'
Spr BIOL7100 S31 20260 Arranged 'To Be Arranged'
Spr BIOL7100 S32 20261 Arranged 'To Be Arranged'
Spr BIOL7100 S33 20262 Arranged 'To Be Arranged'
Spr BIOL7100 S34 20263 Arranged 'To Be Arranged'
Spr BIOL7100 S35 20264 Arranged 'To Be Arranged'
Spr BIOL7100 S36 20265 Arranged 'To Be Arranged'
Spr BIOL7100 S38 20266 Arranged 'To Be Arranged'
Spr BIOL7100 S3A 20267 Arranged 'To Be Arranged'
Spr BIOL7100 S41 20268 Arranged 'To Be Arranged'
Spr BIOL7100 S44 20269 Arranged 'To Be Arranged'

BIOL 7110. Independent Study 2.
No description available.
Fall BIOL7110 S11 10788 Arranged 'To Be Arranged'
Fall BIOL7110 S12 10789 Arranged 'To Be Arranged'
Fall BIOL7110 S13 10790 Arranged 'To Be Arranged'
Fall BIOL7110 S14 10791 Arranged 'To Be Arranged'
Fall BIOL7110 S16 10792 Arranged 'To Be Arranged'
Fall BIOL7110 S19 10793 Arranged 'To Be Arranged'
Fall BIOL7110 S21 10794 Arranged 'To Be Arranged'
Fall BIOL7110 S22 10795 Arranged 'To Be Arranged'
Fall BIOL7110 S23 10796 Arranged 'To Be Arranged'
Fall BIOL7110 S24 10797 Arranged 'To Be Arranged'
Fall BIOL7110 S25 10798 Arranged 'To Be Arranged'
Fall BIOL7110 SA2 10799 Arranged 'To Be Arranged'
Fall BIOL7110 SS3 10800 Arranged 'To Be Arranged'
Fall BIOL7110 SS4 10801 Arranged 'To Be Arranged'
Spr BIOL7110 S32 20270 Arranged 'To Be Arranged'
Spr BIOL7110 S33 20271 Arranged 'To Be Arranged'
Spr BIOL7110 S34 20272 Arranged 'To Be Arranged'

BIOL 7120. Independent Study 3.
No description available.
Fall BIOL7120 S12 10802 Arranged 'To Be Arranged'
Fall BIOL7120 S13 10803 Arranged 'To Be Arranged'
Fall BIOL7120 S22 10804 Arranged 'To Be Arranged'
Fall BIOL7120 S23 10805 Arranged 'To Be Arranged'
Fall BIOL7120 S24 10806 Arranged 'To Be Arranged'
Spr BIOL7120 S34 20273 Arranged 'To Be Arranged'
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description</th>
<th>Year</th>
<th>Semester</th>
<th>Credits</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 7130</td>
<td>Independent Study</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7140</td>
<td>Approved Subinternship Independent Study</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7150</td>
<td>Independent Study</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7160</td>
<td>Scholarly Concentration Independent Study</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7170</td>
<td>Academic Scholar Program</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7180</td>
<td>Advanced Independent Study</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7190</td>
<td>International Independent Study</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7195</td>
<td>Independent Study in Infectious Disease - Ghana</td>
<td>Exchange</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7196</td>
<td>Independent Study - Haiti Exchange</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7200</td>
<td>International Elective: University of Bologna (Italy)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7205</td>
<td>International Elective: Kwame Nkrumah University (Ghana)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7210</td>
<td>International Elective: Moi University (Kenya)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7215</td>
<td>International Elective: National Cheng Kung University (Taiwan)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7220</td>
<td>International Elective: University of Philippines</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7225</td>
<td>International Elective: University of Rostock (Germany)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7230</td>
<td>International Elective: Technion-Israel Institute of Technology</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7235</td>
<td>International Elective: Tokyo Women’s Medical College</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7240</td>
<td>International Elective: University of Tuebingen (Germany)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7245</td>
<td>International Elective: Zhejiang University (China)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7246</td>
<td>International Elective University of Nicaragua</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7247</td>
<td>International Elective University of Ghana</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7248</td>
<td>International Elective University of Sao Paolo (Brazil)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7249</td>
<td>International Elective Kyoto University (Japan)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7250</td>
<td>International Elective University of Notre Dame Haiti</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7255</td>
<td>International Elective EWHA Womans University (Korea)</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7260</td>
<td>International Elective Kurume University School of Medicine</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7301</td>
<td>Seminar on Race + Health Disparities</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 7600</td>
<td>Approved Subinternship Away</td>
<td>No description available.</td>
<td></td>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
impacting the health of vulnerable and underserved patients, the course and beyond. Given the importance of population health interventions for the understanding of pathological alteration. We will emphasize characteristic developmental, structure-function and specialization as tissues, which are the building blocks of the body. Fundamental to this understanding is the cell architecture of the body. Human Histology provides an in-depth examination of the basic epidemiology and basic statistics, as they relate to population and clinical research. This course is intended to teach students both the basic knowledge required to develop and interpret clinical studies as well as the skills in order to conduct basic statistical analyses. MED 2045. Quantitative Methods. In this course, students will be introduced to fundamental concepts in clinical epidemiology and basic statistics. This course will offer an overview of the critical issues in U.S. healthcare and public health policy. It will also provide future leaders in population medicine with a foundation for analyzing healthcare reform and public health efforts and for identifying the role of physicians in driving and shaping future policy reforms to improve the healthcare system and population health. MED 2040. Health Systems Science II. This course will explore how multiple social determinants influence individual and population health; the laws and policies that shape the social environments in which patients live; and the role of physicians in advocating for systems and policy changes that will reduce health disparities and improve population health outcomes. MED 2030. Research Methods in Population Medicine. The thesis requirement for the Master of Science degree in Population Medicine is an integral component of the Primary Care-Population Medicine program at Brown University. This course will focus on clinical practice. In this course, students will focus on topics integral to clinical medicine, but expand beyond the patient into the population and beyond. Given the importance of population health interventions for impacting the health of vulnerable and underserved patients, the course will focus on issues affecting these populations. MED 2060. HSS III: Pop & Clinical Med II. This is the second semester of Population and Clinical Medicine, a two-semester course focused on the integration of population medicine and clinical practice. In this course, students will focus on topics integral to clinical medicine, but expand beyond the patient into the population and beyond. Given the importance of population health interventions for impacting the health of vulnerable and underserved patients, the course will focus on issues affecting these populations. MED 2070. Health Systems Science IV. This course is designed to further explore the themes of the Primary Care-Population Medicine Program and prepare students for the next steps in their professional careers. The course is designed to be a capstone and employs integrated, developmental, evolutionary educational spirals - providing the knowledge, attitudes and skills at the right time in the right format, and building on the first three years of the program. Course threads include Health Systems Science Advanced Content, Skill Building, Preparation for Next Career Stages, and Master's Thesis Workshop. MED 2110. Introduction to Medical Sciences and Patient Care. This 2-week intensive course introduces students to the wide variety of topics explored in the Master's of Medical Sciences program, with a focus on patient care aspects. The course combines seminar classroom instruction with field work/immersion at community healthcare sites. Topics covered include: biopsychosocial model of healthcare; intersection between science, social science and humanities in healthcare; introduction to community health centers; professionalism in healthcare; basic healthcare communication skills; quality improvement skills; and strategies for mastery of basic science knowledge. Students will be assessed using multiple methods including: seminar participation, reflective essays/field notes, attendance at field-work sites, & assessment from community mentors. MED 2120. Patient Care in Complex Systems I. This is the second of a three course series for Master of Medical Sciences students. This course introduces students to the variety of complex factors affecting health, imparting both theoretical knowledge and practical skills. Teaching methods: interactive seminars and experiential learning at community healthcare sites with members of multidisciplinary teams. Topics covered: healthcare systems, social determinants of health, roles of interdisciplinary healthcare team members, quality improvement, and epidemiology. Students will begin developing a project at their clinical sites which will be implemented in spring semester. Student assessment includes: seminar participation, reflective essays, attendance at field work sites, and assessment from community mentors. Pre Requisites: MED 2110. MED 2130. Patient Care in Complex Systems II. This is the third of a 3 course sequence for Master of Medical Sciences students. Students will continue their study of both theoretical and practical aspects of healthcare through an interactive seminar series, continued service learning at their longitudinal community healthcare site, and completion of their community project. Seminar topics: care of vulnerable populations, environmental health, population health, new models of healthcare delivery, ethical issues in healthcare, whole-person health, cultural humility, complementary and alternative medicine, and patient advocacy. Students assessment includes: seminar participation, reflective essays, attendance at field work sites, assessment from community mentors, and quality of project and presentation. Pre Requisites: MED 2110 and MED 2120. MED 2140. Human Histology. Human Histology provides an in-depth examination of the basic architecture of the body. Fundamental to this understanding is the cell and how during early development cells in the aggregate undergo specialization as tissues, which are the building blocks of the body. This course focuses first on the biology of the four basic tissues (epithelium, connective tissue, muscle and nerve) and second, how they contribute to the functional anatomy of all organs and systems. We will emphasize characteristic developmental, structure-function and regulatory relationships within normal cells and tissues, which in turn are the foundation for the understanding of pathological alteration.
MED 2150. General Pathology.
Pathology is the study of the causes, mechanisms, and consequences of disease. In General Pathology students study in detail the cell and tissue alterations that lead to the production of human diseases. To uncover such alterations, morphological observations are correlated with studies involving molecular biology, biochemistry, and genetics. In studying the pathogenesis of human disease we pay close attention to epidemiological parameters, population health, aging, and to environmental and occupational health problems. General Pathology been integrated, whenever possible, with other courses in the Fall Semester of the Gateways Program, in order to maximize learning opportunities.

MED 2160. Human Anatomy 1.
This course explores the anatomical organization of the human body, viewing anatomical structures as a product of development and functional demand. Human Anatomy provides an opportunity for students of diverse backgrounds, interests, and goals to emerge with an understanding of the human body as a cornerstone of medical science. The course uses a combination of lectures, on-line modules, and mandatory laboratory sessions examining human cadaver prosections, to impart broad conceptual and in-depth knowledge of this subject.

MED 2170. Scientific Foundations of Medicine.
Scientific Foundations of Medicine is an integrated cross-disciplinary course that introduces the fundamental basic science principles relevant to the study of health, disease mechanisms, and clinical medicine. As such the course consists of six blocks of core topics that incorporate foundational principles of molecular biology, cellular and metabolic biochemistry, nutritional science, cell physiology, inheritance patterns, mechanisms of genetic disorders, and immunology. Grouping in these scientific principles gives students insight into the biological complexity and genetic diversity that underlies disease processes.

MED 2180. Brain Sciences and Neurological Disease.
Brain Sciences is composed of several interrelated components - Head Anatomy, Neurobiology, Neuropathophysiology, Neuropathology and Neuropharmacology. The intent of the course is to encourage the integration of underlying anatomical and physiological principles with an understanding of the presentation and management of neurological diseases. Course leaders from each of these disciplines have worked closely together in order to present the material in a cohesive and logical framework that promotes the sequential acquisition of new information based upon a substantive understanding of the previous material.

MED 2181. Brain Sciences with Head and Neck Anatomy.
This is a core course for the ScM in Medical Sciences degree, part of the Gateways program at Alpert Medical School. This course builds on 4 required prerequisite courses offered in the Fall Semester. In this course, students learn the integration of neuroanatomy, gross anatomy and basic science principles, and the application of these principles to clinical neurologic dysfunction. In the anatomy portion of this course, students learn about the functional and developmental anatomy of the head and neck. This study is aided by review of prosections of the head, neck and brain, and builds on anatomical structure and function learned in the fall semester. The neurobiology section is designed to acquaint students with the major structures and functions of the nervous system, building on cell physiology and introductory materials from the fall semester, and the application to clinical dysfunction.

MED 2190. Microbiology and Infectious Disease.
Microbiology and Infectious Disease is an integrated course that introduces the basic biological principles, pathogenesis and host response, disease presentation, epidemiology, control and treatment of parasites, viruses, fungi and bacteria that cause human disease. Emphasis is placed on the most clinically significant and best characterized pathogens in each group. The Microbiology component of the course explores the characteristics of disease-causing microorganisms, mechanisms of transmission, immunity, and how specific microbial pathogens cause disease. Microbial disease states in multiple organ systems are addressed in the Infectious Disease component of the course with a focus on common infectious diseases and their clinical presentation.

MED 2200. Anatomy and Physiology.
This course will cover major organ systems and disease sites. Organ functions will be presented in addition to standard anatomy and cross-sectional imaging based on different modalities (x-ray Mammography, CT, MRI, PET, US). Organs at risk and dose tolerance to normal structures will be discussed. Image Registration and Fusion will also be covered, as well motion management.

MED 2210. Radiological Physics and Dosimetry.
This course will cover the fundamental physics behind radiation production and interaction, including a review of pertinent mathematics, classical mechanics, and nuclear physics. Topics to be covered within basic radiation physics: radioactive decay, radiation producing devices, characteristics of the different types of radiation (photons, charged and uncharged particles), mechanisms of their interactions with materials, and essentials of the determination of absorbed doses, by measurement and calculation, from ionizing radiation sources used in medical physics (clinical) situations.

MED 2220. Radiation Protection & Instrumentation.
This course examines principles of radiation protection with application to the hospital setting in radiation oncology, diagnostic imaging, and nuclear medicine. Designs of facilities and quality management programs are examined. Radiation safety practices are reviewed for involved hospital staff, patients, and the general public. This includes various radiation sources: electronically-generated photons and electrons, sources of sealed radioactivity, and unsealed sources of radioactivity. Additionally, the practice of radiation measurements as performed by the medical physicist is taught. This aspect includes associated dosimetry protocols, instrumentation, and clinical contexts. A practicum permits hands-on opportunities to assimilate the theoretical basis and rationale for radiation measurements.

MED 2230. Computational Medical Physics.
The aim of the Computational Medical Physics course is to familiarize students with mathematical, statistical and computational techniques in Medical Physics and how they integrate at a systems level. Students will learn about the emerging field of Computational Medical Physics through the application of mathematical modeling, computer simulations and quantitative and data-intensive analyses to medical data towards enhancing the accuracy, safety and efficiency of patient care and providing an understanding of cancer research. Basic programming skills are expected.

MED 2250. Radiation Therapy Physics.
This course will provide a comprehensive survey of basic radiotherapy physics, fundamental radiation therapy, and contemporary radiation therapy. The basic principles of radiotherapy treatment modalities, radiation detection, dose calibration methods, and image-based treatment planning will be reviewed. Topics to be covered include external beam radiation therapy (photons, protons, and electrons), brachytherapy, and special procedures. Image guidance methods will be discussed as well as patient and machine quality assurance.

MED 2260. Physics of Medical Imaging.
The course provides the necessary physics background that underpins day-to-day medical imaging physics activities. It is aimed primarily at new entrants to the profession, but should be of benefit to postgraduate students, postdoctoral research workers, physicist-managers, representatives of allied commercial organizations and anyone wishing to deepen or re-establish their understanding of the physics of medical imaging. Overviews of specialized or research related topics, such as positron emission tomography and magnetic resonance spectroscopy are given.

MED 2270A. Research and Clinical Practicum for Medical Physics.
Customized for each project Note : 2.5 Credits

MED 2280. Nuclear Medicine Physics.
Nuclear Medical Physics - PET
**MED 2290. Advanced Radiation Therapy.**
Advanced Therapy is meant to serve as a guided self-study of advanced / applied topics in radiation therapy with emphasis on current clinical usage. Optional topics include, but are not limited to, dose calculation algorithms, optimization techniques, deformable registration techniques, modeling within treatment planning systems, and treatment planning.

**MED 2300. MR Imaging Technology, Ultrasound, and Interventional.**
This course will provide an introduction to magnetic resonance imaging scanner hardware, image acquisition methods used in the clinical setting for various contrast weightings, imaging of physiologic function, and image reconstruction methods. Causes and corrective measures for image artifacts will be discussed. Image-guided interventions for therapeutic purposes are becoming increasingly common as minimally-invasive treatments increase in popularity. The course will discuss some common methods used in interventional techniques with attention to the hardware and real-time image acquisition methods used for such therapies. An introduction to ultrasound imaging will be given which will include the physical principles of image formation, application of real-time techniques, Doppler methods for assessing blood flow, and ultrasound use in interventional procedures.

**MED 2310. Radiation Biology.**
This program provides a comprehensive overview of radiation biology with a particular emphasis on aspects of direct relevance to the practice of radiation oncology. It addresses the molecular and cellular responses to radiation-induced damage that influence cell death in both tumors and normal tissues. Quantification of radiation effects and the underlying biological basis for fractionation of radiotherapy and dose-response relationships in the clinic are covered in depth. The biological basis for current approaches to improve radiotherapy will be described including novel fractionation schemes, retreatment issues, targeting hypoxia, and biological modifiers.

**MED 2980. Independent Study in Population Medicine.**
For students enrolled in the Primary Care-Population Medicine program at Alpert Medical School, this course is structured to allow students to conduct research focused on population health with a mentor at Brown University.

**Program in Liberal Medical Education**

**PLME 0200. Primetime Bioethics.**
Is it ethical to design a perfect baby? Who should get these organs? Is it ever okay to be dishonest with patients for their own good? These questions and more will be tackled in this discussion-based course that uses episodes of popular medical television shows to highlight topics in medical ethics. Students will watch 1-2 episodes of TV shows and read related articles and chapters on biomedical ethics and ethics theory. The goal is to give students the background with which to approach the ethical topics. This course may be most beneficial to students pursuing a career in medicine.

**PLME 0400. Introduction to Medical Illustration.**
This semester course explores the field of medical illustration and its many facets. Depiction of diseases, anatomy, medical practices and surgical procedures has been around since antiquity. Not only has medical illustration evolved over the centuries, it has played the role of historian, documenting the beliefs and knowledge of its time. Today, medical illustration is as present as ever despite the advent of other methods of medical documentation, including photography and videography.

**PLME 0550. Italian and American Health Care: a Cultural, Historical and Practical View.**
This program has been developed for Brown PLME students and first year Italian medical students to familiarize the future physicians with the much-debated theme of health care delivery and policies. Students will focus on medicine beyond science through the critical study of how socioeconomic and cultural factors impact this field. Students will compare the Italian and American systems, focusing on historical structures and current issues in health care regulation. Enrollment limited to 10.

**PLME 0700. Communication in Health Care.**
Communication is central to medical, nursing, public health and therapist practice and interpersonal relationships between patients and physicians/clinicians can be powerful curative agents. This course reviews theory and research on physician-patient communication. On-line videos, readings, discussions and exercises are enhanced by conducting and analyzing patient interviews. Appropriate for students interested in communication sciences, health psychology, health education, pre-med and other clinical training, and medical anthropology.

**PLME 0800. Wilderness, Disasters, and Global Health.**
“Wilderness, Disasters, and Global Health” is an interdisciplinary and integrative science course that explores the provision of medical care when challenges exist with regard to transportation, communication, equipment, facility infrastructure, medication supply lines, and the affordability and availability of skilled healthcare providers. This course, with a maximum enrollment of 15, is designed for any Brown senior who is interested in the outdoors, healthcare, or a science-based field. Instructor is an emergency physician, and anyone planning to pursue a medical career will learn skills to prepare for, and respond to, emergencies in a variety of limited resource environments.

**PLME 1000. PLME Senior Seminar in Scientific Medicine.**
This course is an online integrative science course that will supplement the preparation of both PLME and pre-medical students for the study of medicine in the 21st century. The course will use both didactic, small-group, reflective and multiple-choice question based-approaches to explore multiple areas of medicine: firearm violence, chronic kidney disease and renal transplantation, diversity in gender and sexuality, breast cancer and palliative care, and the opioid epidemic. Woven throughout the course are essential and foundational antiracist themes critical for all entering medical students. The course is intended for seniors interested in attending medical school but will preferentially enroll PLME students. Prerequisite: PLME competency in Biology, Chemistry (inorganic and organic), Physics, and statistics. Enrollment limited to 50. S/NC mandatory.

**Optional topics include, but are not limited to, dose calculation algorithms, optimization techniques, deformable registration techniques, modeling within treatment planning systems, and treatment planning.**

**PLME 0800. Wilderness, Disasters, and Global Health.**
“Wilderness, Disasters, and Global Health” is an interdisciplinary and integrative science course that explores the provision of medical care when challenges exist with regard to transportation, communication, equipment, facility infrastructure, medication supply lines, and the affordability and availability of skilled healthcare providers. This course, with a maximum enrollment of 15, is designed for any Brown senior who is interested in the outdoors, healthcare, or a science-based field. Instructor is an emergency physician, and anyone planning to pursue a medical career will learn skills to prepare for, and respond to, emergencies in a variety of limited resource environments.

**Fall PLME1000 S01 17211 W 3:00-5:30(10) “To Be Arranged”**

**PLME 0700. Communication in Health Care.**
Communication is central to medical, nursing, public health and therapist practice and interpersonal relationships between patients and physicians/clinicians can be powerful curative agents. This course reviews theory and research on physician-patient communication. On-line videos, readings, discussions and exercises are enhanced by conducting and analyzing patient interviews. Appropriate for students interested in communication sciences, health psychology, health education, pre-med and other clinical training, and medical anthropology.

**Fall PLME0700 S01 25496 W 3:00-5:30(10) (T. Zink)**

**PLME 0800. Wilderness, Disasters, and Global Health.**
“Wilderness, Disasters, and Global Health” is an interdisciplinary and integrative science course that explores the provision of medical care when challenges exist with regard to transportation, communication, equipment, facility infrastructure, medication supply lines, and the affordability and availability of skilled healthcare providers. This course, with a maximum enrollment of 15, is designed for any Brown senior who is interested in the outdoors, healthcare, or a science-based field. Instructor is an emergency physician, and anyone planning to pursue a medical career will learn skills to prepare for, and respond to, emergencies in a variety of limited resource environments.

**Fall PLME0800 S01 17212 T 4:00-6:30(07) (J. Foggle)**

**PLME 1000. PLME Senior Seminar in Scientific Medicine.**
This course is an online integrative science course that will supplement the preparation of both PLME and pre-medical students for the study of medicine in the 21st century. The course will use both didactic, small-group, reflective and multiple-choice question based-approaches to explore multiple areas of medicine: firearm violence, chronic kidney disease and renal transplantation, diversity in gender and sexuality, breast cancer and palliative care, and the opioid epidemic. Woven throughout the course are essential and foundational antiracist themes critical for all entering medical students. The course is intended for seniors interested in attending medical school but will preferentially enroll PLME students. Prerequisite: PLME competency in Biology, Chemistry (inorganic and organic), Physics, and statistics. Enrollment limited to 50. S/NC mandatory.

**Fall PLME1000 S01 17211 W 3:00-5:30(10) “To Be Arranged”**