The Warren Alpert Medical School of Brown University

Dean
Jack A. Elias

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 (forwards 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. The Office of Admissions may be contacted by email (MedSchool_Admissions@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, Prospect Street, 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 PB Program Directors on a 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 continued academic progress and college 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

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; 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 towards 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.


MD/MPA Program

Brown University, the Warren Alpert Medical School, and the Master of Public Affairs (MPA) at the Watson Institute have developed a dual-degree program aimed at creating the next generation of leaders in medicine and health care policy.

About the Joint Degree

The MD/MPA program is a joint, integrated, four-year program in which select students receive both a Doctorate of Medicine (MD) and a Master of Public Affairs (MPA). This is the first integrated program of its kind in the U.S., where students are able to complete their degree program in four years and take courses taught by both medical school and public policy faculty. You can earn your Master of Public Affairs without adding another year to your MD studies.

In this program you will:

- Learn how to analyze the intersections of medicine and public policy;
- Be prepared to take leadership positions in government, both nationally and internationally, research centers, or health care delivery organizations, and
- Gain the knowledge, skills and content expertise necessary to lead health care policy change in a rapidly evolving health care system.

Learn more about the MD/MPA (https://www.brown.edu/academics/medical/education/mdmpa-program) Program at: https://www.brown.edu/academics/medical/education/mdmpa-program

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-medicine
Brown Gateways to Medicine, Health Care, and Research

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. Small class sizes and a robust mentoring system mean you’ll get individualized attention as you pursue your academic and career goals.

Through **Gateways**, you can:
- Improve your credentials for entry into medical school or other health professional schools;
- Gain a solid foundation in the basic science coursework typically undertaken by first-year medical students; and
- Test your aptitude for a variety of careers in health sciences.

Learn more about the Gateways Program ([https://www.brown.edu/academics/medical/education/other-programs/gateways](https://www.brown.edu/academics/medical/education/other-programs/gateways)) at: [https://www.brown.edu/academics/medical/education/other-programs/gateways/master-science-medical-sciences](https://www.brown.edu/academics/medical/education/other-programs/gateways/master-science-medical-sciences).

The Gateways Program offers two courses of study:

**Master of Science in Medical 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](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](https://www.brown.edu/academics/medical/education/other-programs/gateways/master-science-medical-sciences).

**Certificate in Medical Science**

For this one-year certificate program, you will complete 6 required courses: 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 have the freedom to independently pursue other areas of interest during this academic year, including part-time research opportunities and/or a 3-week, full-time immersion experience.

Learn more about the Certificate in Medical Science program ([https://www.brown.edu/academics/medical/education/other-programs/gateways/certificate-medical-science](https://www.brown.edu/academics/medical/education/other-programs/gateways/certificate-medical-science)) at: [https://www.brown.edu/academics/medical/education/other-programs/gateways/certificate-medical-science](https://www.brown.edu/academics/medical/education/other-programs/gateways/certificate-medical-science).

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

Courses

**Biology**

**BIOL 301. 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' |

**BIOL 305. Clerkship in Medicine - LIC.**

No description available.

| Spr BIOL3005 | S04 20002 | 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 10003 | Arranged | 'To Be Arranged' |
Fall BIOL3015 | S18 10004 | Arranged | 'To Be Arranged' |

**BIOL 3020. Nephrology.**

No description available.

Fall BIOL3020 | S12 10005 | Arranged | 'To Be Arranged' |
Fall BIOL3020 | S14 10006 | Arranged | 'To Be Arranged' |
Fall BIOL3020 | S24 10007 | Arranged | 'To Be Arranged' |
Spr BIOL3020 | S34 20003 | Arranged | 'To Be Arranged' |

**BIOL 3025. Longitudinal in Renal Disease.**

No description available.

Fall BIOL3035 | S14 10010 | Arranged | 'To Be Arranged' |

**BIOL 3030. Clinical Nephrology.**

No description available.

Fall BIOL3030 | S14 10008 | Arranged | 'To Be Arranged' |
Fall BIOL3030 | S24 10009 | Arranged | 'To Be Arranged' |

**BIOL 3035. Clinical Nephrology.**

No description available.

Fall BIOL3035 | S14 10010 | Arranged | 'To Be Arranged' |

**BIOL 3040. Clinical Dermatology.**

No description available.

Fall BIOL3040 | S12 10011 | Arranged | 'To Be Arranged' |
Fall BIOL3040 | S14 10012 | Arranged | 'To Be Arranged' |
Fall BIOL3040 | S21 10013 | Arranged | 'To Be Arranged' |
Fall BIOL3040 | S22 10014 | Arranged | 'To Be Arranged' |
Fall BIOL3040 | S24 10015 | Arranged | 'To Be Arranged' |
Spr BIOL3040 | S32 20004 | Arranged | 'To Be Arranged' |
Spr BIOL3040 | S34 20005 | Arranged | 'To Be Arranged' |

**BIOL 3050. Gastroenterology.**

No description available.

Fall BIOL3050 | S12 10016 | Arranged | 'To Be Arranged' |
Fall BIOL3050 | S14 10017 | Arranged | 'To Be Arranged' |
Fall BIOL3050 | S22 10018 | Arranged | 'To Be Arranged' |
Fall BIOL3050 | S23 10019 | Arranged | 'To Be Arranged' |
Fall BIOL3050 | S24 10020 | Arranged | 'To Be Arranged' |
Spr BIOL3050 | S32 20006 | Arranged | 'To Be Arranged' |
Spr BIOL3050 | S34 20007 | Arranged | 'To Be Arranged' |

**BIOL 3060. Gastroenterology.**

No description available.

Fall BIOL3060 | S12 10021 | Arranged | 'To Be Arranged' |
Fall BIOL3060 | S14 10022 | Arranged | 'To Be Arranged' |
Fall BIOL3060 | S22 10023 | Arranged | 'To Be Arranged' |
Fall BIOL3060 | S24 10024 | Arranged | 'To Be Arranged' |
Spr BIOL3060 | S32 20008 | Arranged | 'To Be Arranged' |

**BIOL 3065. Infectious Disease.**

No description available.

Fall BIOL3065 | S12 10025 | Arranged | 'To Be Arranged' |
Fall BIOL3065 | S14 10026 | Arranged | 'To Be Arranged' |
Fall BIOL3065 | S24 10027 | Arranged | 'To Be Arranged' |
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BIOL 3280. Allergy.
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BIOL 3290. Pulmonary Diseases.
No description available.
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Fall BIOL3290 S14 10089 Arranged 'To Be Arranged'
Fall BIOL3290 S24 10090 Arranged 'To Be Arranged'
Spr BIOL3290 S34 20023 Arranged 'To Be Arranged'

BIOL 3300. Pulmonary Diseases.
No description available.
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Fall BIOL3300 S14 10092 Arranged 'To Be Arranged'
Fall BIOL3300 S22 10093 Arranged 'To Be Arranged'
Fall BIOL3300 S24 10094 Arranged 'To Be Arranged'
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BIOL 3310. Pulmonary Diseases.
No description available.
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Fall BIOL3310 S14 10096 Arranged 'To Be Arranged'
Fall BIOL3310 S22 10097 Arranged 'To Be Arranged'
Fall BIOL3310 S24 10098 Arranged 'To Be Arranged'
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No description available.

BIOL 3325. Critical Care Elective.
No description available.

BIOL 3330. Subinternship in Medicine.
No description available.
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Fall BIOL3330 S24 10101 Arranged 'To Be Arranged'
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BIOL 3331. Subinternship in Medicine - MH.
No description available.
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BIOL 3332. Subinternship in Medicine - MHRI.
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BIOL 3333. Subinternship in Medicine - RIH.
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BIOL 3334. Subinternship in Medicine - VAMC.
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BIOL 3340. Subinternship in Medical Intensive Care (MICU).
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BIOL 3350. Subinternship in Critical Care Medicine.
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BIOL 3390. Psychiatry in Medical Practice.
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BIOL 3400. Medical Consultation - OB/Gyn.
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BIOL 3405. Medical Consult in OB/Gyn and Periop Med.
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BIOL 3410. Internal Medicine in the Dominican Republic.
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BIOL 3415. Clinical Medicine in Nicaragua.
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BIOL 3420. Physical Medicine + Rehabilitation.
No description available.
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BIOL 3460. College Health Longitudinal.
No description available.

BIOL 3470. Issues Concerning Deaf Patients in Healthcare.
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.

No description available.
BIOL 3490. Cardiology.  
No description available.
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Fall BIOL3490 S23 10135 Arranged 'To Be Arranged'
Fall BIOL3490 S24 10136 Arranged 'To Be Arranged'
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BIOL 3500. Cardiovascular Medicine - Outpatient and Inpatient Practice.  
No description available.
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Fall BIOL3500 S22 10139 Arranged 'To Be Arranged'
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BIOL 3505. Medical and Interventional Pain Management.  
No description available.
Fall BIOL3505 S14 10141 Arranged 'To Be Arranged'
Fall BIOL3505 S22 10142 Arranged 'To Be Arranged'
Fall BIOL3505 S24 10143 Arranged 'To Be Arranged'

BIOL 3510. Clinical Reasoning and Human Errors in Medicine.  
No description available.
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BIOL 3551. Advanced Clinical Mentorship in Renal.  
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BIOL 3552. Advanced Clinical Mentorship in Dermatology.  
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BIOL 3553. Advanced Clinical Mentorship in Cardiology.  
No description available.
Fall BIOL3553 S12 10148 Arranged 'To Be Arranged'

BIOL 3554. Advanced Clinical Mentorship in Endocrinology.  
No description available.
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BIOL 3555. Advanced Clinical Mentorship in Med/Peds Primary Care.  
No description available.
Fall BIOL3555 S11 10149 Arranged 'To Be Arranged'

BIOL 3556. Advanced Clinical Mentorship in Infectious Disease.  
No description available.
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BIOL 3557. Advanced Clinical Mentorship in Comprehensive HIV Care.  
No description available.
Fall BIOL3557 S22 10151 Arranged 'To Be Arranged'

BIOL 3558. Advanced Clinical Mentorship in Adult Oncology.  
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BIOL 3559. Advanced Clinical Mentorship in Hematology/Oncology.  
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BIOL 3560. Advanced Clinical Mentorship in Pulmonary Disease.  
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BIOL 3561. Advanced Clinical Mentorship in Rheumatology.  
No description available.

BIOL 3562. Advanced Clinical Mentorship in Internal Medicine.  
No description available.
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BIOL 3563. Advanced Clinical Mentorship in Gastroenterology.  
No description available.

BIOL 3564. Advanced Clinical Mentorship in Functional Neurosurgery.  
No description available.
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BIOL 3566. Advanced Clinical Mentorship in Orthopedic Surgery.  
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BIOL 3567. Advanced Clinical Mentorship in Anesthesiology.  
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BIOL 3570. Advanced Clinical Mentorship in Pediatric Surgery.  
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Fall BIOL3570 S21 10177 Arranged 'To Be Arranged'

BIOL 3571. Advanced Clinical Mentorship in Urology.  
No description available.

No description available.
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BIOL 3573. Advanced Clinical Mentorship in ENT.  
No description available.
Fall BIOL3573 S11 10179 Arranged 'To Be Arranged'

No description available.

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

No description available.
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<td>BIOL 3583</td>
<td>Advanced Clinical Mentorship in Family Medicine.</td>
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<td>BIOL 3584</td>
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<td>Advanced Clinical Mentorship in Radiation Oncology.</td>
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<td>Advanced Clinical Mentorship in Refugee Health.</td>
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<td>BIOL 3591</td>
<td>Advanced Clinical Mentorship in Pediatric Endocrinology.</td>
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<td>BIOL 3592</td>
<td>ACM in Pathology.</td>
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<td>Doctoring 1.</td>
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<td>BIOL 3641</td>
<td>Integrated Medical Sciences I.</td>
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<td>BIOL 3642</td>
<td>IMS 1 - Scientific Foundations of Medicine.</td>
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<td>IMS-1 Histology.</td>
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<td>IMS-1 Human Anatomy I.</td>
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<td>Integrated Medical Sciences II - Comprehensive.</td>
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<td>IMS-2 Brain Sciences.</td>
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<td>BIOL 3653</td>
<td>IMS-2 Microbiology/Infectious Diseases.</td>
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<td>Health Systems and Policy II.</td>
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<td>Integrated Medical Sciences III - Comprehensive.</td>
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<td>IMS-II Supporting Structures.</td>
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BIOL 3667. Integrated Medical Sciences III - System-Based Pharmacology.
No description available.
Fall BIOL3667 S01 10220 Arranged (R. Patrick)

BIOL 3670. Doctoring 4.
No description available.
Spr BIOL3670 S01 20041 Arranged (S. Rougas)

BIOL 3671. Integrated Medical Sciences IV - Comprehensive.
No description available.
Spr BIOL3671 S01 20042 Arranged 'To Be Arranged'

BIOL 3672. IMS-4 Hematology.
No description available.
Spr BIOL3672 S01 20043 Arranged 'To Be Arranged'

BIOL 3673. IMS-4 Gastroenterology.
No description available.
Fall BIOL3673 S01 20044 Arranged 'To Be Arranged'

BIOL 3674. IMS-3 Human Reproduction.
No description available.
Fall BIOL3674 S01 10221 Arranged (C. Coyer)

BIOL 3675. Integrated Medical Sciences IV - Systemic Pathology.
No description available.
Spr BIOL3675 S01 20045 Arranged 'To Be Arranged'

BIOL 3676. Integrated Medical Sciences IV - System-Based Pharmacology.
No description available.
Spr BIOL3676 S01 20046 Arranged 'To Be Arranged'

BIOL 3691. System-Based Pharmacology.
No description available.

BIOL 3750. Neurology.
No description available.
Fall BIOL3750 S12 10222 Arranged 'To Be Arranged'
Fall BIOL3750 S13 10223 Arranged 'To Be Arranged'
Fall BIOL3750 S14 10224 Arranged 'To Be Arranged'
Fall BIOL3750 S22 10225 Arranged 'To Be Arranged'
Fall BIOL3750 S23 10226 Arranged 'To Be Arranged'
Fall BIOL3750 S24 10227 Arranged 'To Be Arranged'
Spr BIOL3750 S22 20047 Arranged 'To Be Arranged'
Spr BIOL3750 S23 20048 Arranged 'To Be Arranged'

No description available.

No description available.
Fall BIOL3760 S12 10228 Arranged 'To Be Arranged'
Fall BIOL3760 S22 10229 Arranged 'To Be Arranged'
Spr BIOL3760 S22 20049 Arranged 'To Be Arranged'

BIOL 3780. Neurosurgery.
No description available.
Fall BIOL3780 S12 10236 Arranged 'To Be Arranged'
Fall BIOL3780 S13 10237 Arranged 'To Be Arranged'
Fall BIOL3780 S14 10238 Arranged 'To Be Arranged'
Fall BIOL3780 S22 10239 Arranged 'To Be Arranged'
Fall BIOL3780 S24 10240 Arranged 'To Be Arranged'
Spr BIOL3780 S34 20052 Arranged 'To Be Arranged'

BIOL 3785. Subinternship in Neurology.
No description available.
Fall BIOL3785 S14 10241 Arranged 'To Be Arranged'
Fall BIOL3785 S15 10242 Arranged 'To Be Arranged'
Fall BIOL3785 S24 10243 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 10244 Arranged 'To Be Arranged'
Fall BIOL3900 S02 10245 Arranged 'To Be Arranged'
Spr BIOL3900 S03 20053 Arranged 'To Be Arranged'

No description available.
Fall BIOL3905 S14 10246 Arranged 'To Be Arranged'

BIOL 3910. Introduction to Surgical Oncology.
No description available.
Fall BIOL3910 S12 10247 Arranged 'To Be Arranged'
Fall BIOL3910 S13 10248 Arranged 'To Be Arranged'
Fall BIOL3910 S14 10249 Arranged 'To Be Arranged'
Fall BIOL3910 S24 10250 Arranged 'To Be Arranged'
Spr BIOL3910 S34 20054 Arranged 'To Be Arranged'

BIOL 3915. Clerkship in Surgery - LIC.
No description available.

BIOL 3920. Surgery of the Alimentary Tract.
No description available.
Fall BIOL3920 S14 10251 Arranged 'To Be Arranged'
Fall BIOL3920 S22 10252 Arranged 'To Be Arranged'
Fall BIOL3920 S24 10253 Arranged 'To Be Arranged'

BIOL 3930. Physical Medicine and Rehabilitation.
No description available.
Fall BIOL3930 S12 10254 Arranged 'To Be Arranged'
Fall BIOL3930 S13 10255 Arranged 'To Be Arranged'
Fall BIOL3930 S22 10256 Arranged 'To Be Arranged'
Fall BIOL3930 S23 10257 Arranged 'To Be Arranged'
Fall BIOL3930 S24 10258 Arranged 'To Be Arranged'
Spr BIOL3930 S32 20055 Arranged 'To Be Arranged'

No description available.
Fall BIOL3940 S14 10259 Arranged 'To Be Arranged'
Fall BIOL3940 S24 10260 Arranged 'To Be Arranged'
Spr BIOL3940 S32 20056 Arranged 'To Be Arranged'
BIOL 3950. Outpatient Management of Musculoskeletal Problems.
No description available.
Fall BIOL3950 S12 10261 Arranged 'To Be Arranged'
Fall BIOL3950 S14 10262 Arranged 'To Be Arranged'
Fall BIOL3950 S22 10263 Arranged 'To Be Arranged'
Fall BIOL3950 S24 10264 Arranged 'To Be Arranged'
Spr BIOL3950 S32 20057 Arranged 'To Be Arranged'
Spr BIOL3950 S34 20058 Arranged 'To Be Arranged'

BIOL 3960. Orthopedic Surgery.
No description available.
Fall BIOL3960 S14 10265 Arranged 'To Be Arranged'
Fall BIOL3960 S24 10266 Arranged 'To Be Arranged'

BIOL 3965. Physical Medicine and Rehabilitation (PM&R): Outpatient.
No description available.
Fall BIOL3965 S13 10267 Arranged 'To Be Arranged'
Fall BIOL3965 S14 10268 Arranged 'To Be Arranged'
Fall BIOL3965 S24 10269 Arranged 'To Be Arranged'

BIOL 3970. Orthopedic Surgery in the Community.
No description available.
Fall BIOL3970 S14 10270 Arranged 'To Be Arranged'
Fall BIOL3970 S24 10271 Arranged 'To Be Arranged'

BIOL 3975. Primary Care Orthopedics.
No description available.
Fall BIOL3975 S12 10272 Arranged 'To Be Arranged'

No description available.
Fall BIOL3980 S14 10273 Arranged 'To Be Arranged'
Fall BIOL3980 S22 10274 Arranged 'To Be Arranged'
Fall BIOL3980 S24 10275 Arranged 'To Be Arranged'

No description available.
Fall BIOL3985 S14 10276 Arranged 'To Be Arranged'

BIOL 3990. Pediatric Orthopedic Surgery.
No description available.
Fall BIOL3990 S12 10277 Arranged 'To Be Arranged'
Fall BIOL3990 S14 10278 Arranged 'To Be Arranged'
Fall BIOL3990 S22 10279 Arranged 'To Be Arranged'
Fall BIOL3990 S24 10280 Arranged 'To Be Arranged'

BIOL 4000. Outpatient Orthopedics.
No description available.
Fall BIOL4000 S22 10281 Arranged 'To Be Arranged'

BIOL 4010. Anesthesiology.
No description available.
Fall BIOL4010 S10 10282 Arranged 'To Be Arranged'
Fall BIOL4010 S12 10283 Arranged 'To Be Arranged'
Fall BIOL4010 S14 10284 Arranged 'To Be Arranged'
Fall BIOL4010 S21 10285 Arranged 'To Be Arranged'
Fall BIOL4010 S22 10286 Arranged 'To Be Arranged'
Fall BIOL4010 S24 10287 Arranged 'To Be Arranged'
Spr BIOL4010 S32 20059 Arranged 'To Be Arranged'
Spr BIOL4010 S34 20060 Arranged 'To Be Arranged'

BIOL 4011. Anesthesiology - MH.
No description available.
Fall BIOL4011 S12 10288 Arranged 'To Be Arranged'
Fall BIOL4011 S14 10289 Arranged 'To Be Arranged'
Fall BIOL4011 S22 10290 Arranged 'To Be Arranged'
Fall BIOL4011 S24 10291 Arranged 'To Be Arranged'

BIOL 4012. Anesthesiology - RIH.
No description available.
Fall BIOL4012 S12 10292 Arranged 'To Be Arranged'
Fall BIOL4012 S14 10293 Arranged 'To Be Arranged'
Fall BIOL4012 S22 10294 Arranged 'To Be Arranged'
Fall BIOL4012 S24 10295 Arranged 'To Be Arranged'

BIOL 4013. Anesthesiology - WIH.
No description available.
Fall BIOL4013 S12 10296 Arranged 'To Be Arranged'
Fall BIOL4013 S14 10297 Arranged 'To Be Arranged'
Fall BIOL4013 S22 10298 Arranged 'To Be Arranged'
Fall BIOL4013 S24 10299 Arranged 'To Be Arranged'

BIOL 4020. Pediatric Anesthesiology.
No description available.
Fall BIOL4020 S12 10300 Arranged 'To Be Arranged'
Fall BIOL4020 S14 10301 Arranged 'To Be Arranged'
Fall BIOL4020 S22 10302 Arranged 'To Be Arranged'
Fall BIOL4020 S23 10303 Arranged 'To Be Arranged'
Fall BIOL4020 S24 10304 Arranged 'To Be Arranged'
Spr BIOL4020 S32 20062 Arranged 'To Be Arranged'
Spr BIOL4020 S34 20063 Arranged 'To Be Arranged'

BIOL 4030. Ophthalmology.
No description available.
Fall BIOL4030 S11 10305 Arranged 'To Be Arranged'
Fall BIOL4030 S12 10306 Arranged 'To Be Arranged'
Fall BIOL4030 S14 10307 Arranged 'To Be Arranged'
Fall BIOL4030 S22 10308 Arranged 'To Be Arranged'
Fall BIOL4030 S24 10309 Arranged 'To Be Arranged'
Spr BIOL4030 S32 20064 Arranged 'To Be Arranged'
Spr BIOL4030 S34 20065 Arranged 'To Be Arranged'

BIOL 4040. Ophthalmology in a Missionary Hospital.
No description available.
Fall BIOL4040 S12 10310 Arranged 'To Be Arranged'
Fall BIOL4040 S13 10311 Arranged 'To Be Arranged'
Fall BIOL4040 S14 10312 Arranged 'To Be Arranged'
Fall BIOL4040 S22 10313 Arranged 'To Be Arranged'
Fall BIOL4040 S24 10314 Arranged 'To Be Arranged'
Spr BIOL4040 S32 20064 Arranged 'To Be Arranged'
Spr BIOL4040 S34 20065 Arranged 'To Be Arranged'

BIOL 4100. Pediatric Surgery.
No description available.
Fall BIOL4100 S12 10315 Arranged 'To Be Arranged'
Fall BIOL4100 S13 10316 Arranged 'To Be Arranged'
Fall BIOL4100 S14 10317 Arranged 'To Be Arranged'
Fall BIOL4100 S22 10318 Arranged 'To Be Arranged'
Fall BIOL4100 S24 10319 Arranged 'To Be Arranged'
Spr BIOL4100 S34 20066 Arranged 'To Be Arranged'

BIOL 4110. Adult Cardiac Surgery.
No description available.
Fall BIOL4110 S12 10320 Arranged 'To Be Arranged'
Fall BIOL4110 S13 10321 Arranged 'To Be Arranged'
Fall BIOL4110 S24 10322 Arranged 'To Be Arranged'

BIOL 4120. Cardiothoracic Surgery.
No description available.
Fall BIOL4120 S12 10323 Arranged 'To Be Arranged'
Fall BIOL4120 S14 10324 Arranged 'To Be Arranged'
Fall BIOL4120 S22 10325 Arranged 'To Be Arranged'
Fall BIOL4120 S24 10326 Arranged 'To Be Arranged'
Spr BIOL4120 S32 20067 Arranged 'To Be Arranged'

BIOL 4130. Subinternship in Cardiovascular Surgery.
No description available.
BIOL 4140. Endocrine Surgery.  
No description available.
Fall BIOL4140 S14 10327 Arranged 'To Be Arranged'
Fall BIOL4140 S22 10328 Arranged 'To Be Arranged'
Fall BIOL4140 S23 10329 Arranged 'To Be Arranged'
Spr BIOL4140 S34 20068 Arranged 'To Be Arranged'

BIOL 4150. Clinical Urology.  
No description available.
Fall BIOL4150 S14 10330 Arranged 'To Be Arranged'
Fall BIOL4150 S22 10331 Arranged 'To Be Arranged'
Fall BIOL4150 S24 10332 Arranged 'To Be Arranged'

BIOL 4155. Subinternship in Urology.  
No description available.
Fall BIOL4155 S14 10333 Arranged 'To Be Arranged'
Fall BIOL4155 S24 10334 Arranged 'To Be Arranged'

BIOL 4160. Elective in Gynecological Surgery.  
No description available.
Fall BIOL4160 S24 10335 Arranged 'To Be Arranged'

BIOL 4170. Plastic Surgery.  
No description available.
Fall BIOL4170 S12 10336 Arranged 'To Be Arranged'
Fall BIOL4170 S14 10337 Arranged 'To Be Arranged'
Fall BIOL4170 S22 10338 Arranged 'To Be Arranged'
Fall BIOL4170 S23 10339 Arranged 'To Be Arranged'
Fall BIOL4170 S24 10340 Arranged 'To Be Arranged'

No description available.
Fall BIOL4175 S14 10341 Arranged 'To Be Arranged'
Fall BIOL4175 S24 10342 Arranged 'To Be Arranged'

BIOL 4180. Subinternship in Surgery.  
No description available.
Fall BIOL4180 S14 10343 Arranged 'To Be Arranged'
Fall BIOL4180 S24 10344 Arranged 'To Be Arranged'

BIOL 4185. Subinternship in Surgical Oncology.  
No description available.
Fall BIOL4185 S14 10345 Arranged 'To Be Arranged'
Fall BIOL4185 S24 10346 Arranged 'To Be Arranged'

No description available.
Fall BIOL4190 S14 10347 Arranged 'To Be Arranged'
Fall BIOL4190 S24 10348 Arranged 'To Be Arranged'
Spr BIOL4190 S34 20069 Arranged 'To Be Arranged'

BIOL 4195. Subinternship in Colon and Rectal Surgery.  
No description available.
Fall BIOL4195 S14 10349 Arranged 'To Be Arranged'
Fall BIOL4195 S24 10350 Arranged 'To Be Arranged'

No description available.
Fall BIOL4197 S14 10351 Arranged 'To Be Arranged'
Fall BIOL4197 S24 10352 Arranged 'To Be Arranged'

BIOL 4210. Otorhinolaryngology.  
No description available.
Fall BIOL4210 S12 10353 Arranged 'To Be Arranged'
Fall BIOL4210 S14 10354 Arranged 'To Be Arranged'
Fall BIOL4210 S21 10355 Arranged 'To Be Arranged'
Fall BIOL4210 S22 10356 Arranged 'To Be Arranged'
Fall BIOL4210 S24 10357 Arranged 'To Be Arranged'
Spr BIOL4210 S32 20070 Arranged 'To Be Arranged'
Spr BIOL4210 S34 20071 Arranged 'To Be Arranged'

No description available.

BIOL 4230. Nutrition and Nutritional Support.  
No description available.
Fall BIOL4230 S12 10358 Arranged 'To Be Arranged'
Fall BIOL4230 S22 10359 Arranged 'To Be Arranged'

BIOL 4240. Ambulatory Plastic Surgery.  
No description available.

BIOL 4250. Trauma.  
No description available.
Fall BIOL4250 S14 10360 Arranged 'To Be Arranged'
Fall BIOL4250 S22 10361 Arranged 'To Be Arranged'
Fall BIOL4250 S24 10362 Arranged 'To Be Arranged'
Spr BIOL4250 S33 20072 Arranged 'To Be Arranged'

BIOL 4270. Subinternship in Cardiac Surgery.  
No description available.
Fall BIOL4270 S12 10363 Arranged 'To Be Arranged'
Fall BIOL4270 S14 10364 Arranged 'To Be Arranged'
Fall BIOL4270 S24 10365 Arranged 'To Be Arranged'

BIOL 4280. Introduction to Thoracic Surgery.  
No description available.
Fall BIOL4280 S14 10366 Arranged 'To Be Arranged'
Fall BIOL4280 S24 10367 Arranged 'To Be Arranged'

BIOL 4285. 4th Year Surgery Boot Camp.  
No description available.

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

BIOL 4300. Otorhinolaryngology.  
No description available.
Fall BIOL4300 S12 10368 Arranged 'To Be Arranged'
Fall BIOL4300 S13 10369 Arranged 'To Be Arranged'
Fall BIOL4300 S14 10370 Arranged 'To Be Arranged'
Fall BIOL4300 S22 10371 Arranged 'To Be Arranged'
Fall BIOL4300 S24 10372 Arranged 'To Be Arranged'
Spr BIOL4300 S32 20073 Arranged 'To Be Arranged'

BIOL 4330. Online Internship Prep Course.  
No description available.

Six weeks.
Fall BIOL4500 S01 10373 Arranged 'To Be Arranged'
Fall BIOL4500 S02 10374 Arranged 'To Be Arranged'
Spr BIOL4500 S03 20074 Arranged 'To Be Arranged'

No description available.

BIOL 4510. Pediatric Hematology Oncology.  
No description available.
Fall BIOL4510 S12 10375 Arranged 'To Be Arranged'
Fall BIOL4510 S14 10376 Arranged 'To Be Arranged'
Fall BIOL4510 S24 10377 Arranged 'To Be Arranged'

BIOL 4515. Clerkship in Pediatrics - LIC.  
No description available.

BIOL 4520. Pediatric Neurology.  
No description available.
Fall BIOL4520 S12 10378 Arranged 'To Be Arranged'
Fall BIOL4520 S13 10379 Arranged 'To Be Arranged'
Fall BIOL4520 S14 10380 Arranged 'To Be Arranged'
Fall BIOL4520 S23 10381 Arranged 'To Be Arranged'
Fall BIOL4520 S24 10382 Arranged 'To Be Arranged'
Spr BIOL4520 S34 20075 Arranged 'To Be Arranged'
BIOL 4530. Pediatric Urology.
No description available.
Fall BIOL4530 S12 10383 Arranged 'To Be Arranged'
Fall BIOL4530 S14 10384 Arranged 'To Be Arranged'
Fall BIOL4530 S22 10385 Arranged 'To Be Arranged'

No description available.
Fall BIOL4540 S12 10386 Arranged 'To Be Arranged'
Fall BIOL4540 S14 10387 Arranged 'To Be Arranged'
Fall BIOL4540 S22 10388 Arranged 'To Be Arranged'
Fall BIOL4540 S23 10389 Arranged 'To Be Arranged'
Fall BIOL4540 S24 10390 Arranged 'To Be Arranged'
Spr BIOL4540 S32 20076 Arranged 'To Be Arranged'

BIOL 4550. Adolescent Medicine.
No description available.
Fall BIOL4550 S12 10391 Arranged 'To Be Arranged'
Fall BIOL4550 S13 10392 Arranged 'To Be Arranged'
Fall BIOL4550 S14 10393 Arranged 'To Be Arranged'
Fall BIOL4550 S22 10394 Arranged 'To Be Arranged'
Fall BIOL4550 S23 10395 Arranged 'To Be Arranged'
Fall BIOL4550 S24 10396 Arranged 'To Be Arranged'
Spr BIOL4550 S34 20077 Arranged 'To Be Arranged'

BIOL 4560. Pediatric Cardiology.
No description available.
Fall BIOL4560 S14 10397 Arranged 'To Be Arranged'
Fall BIOL4560 S22 10398 Arranged 'To Be Arranged'
Fall BIOL4560 S24 10399 Arranged 'To Be Arranged'
Spr BIOL4560 S34 20078 Arranged 'To Be Arranged'

BIOL 4570. Pediatric Infectious Diseases.
No description available.
Fall BIOL4570 S12 10400 Arranged 'To Be Arranged'
Fall BIOL4570 S14 10401 Arranged 'To Be Arranged'
Fall BIOL4570 S24 10402 Arranged 'To Be Arranged'
Spr BIOL4570 S34 20079 Arranged 'To Be Arranged'

BIOL 4580. Pediatric Endocrinology.
No description available.
Fall BIOL4580 S14 10403 Arranged 'To Be Arranged'
Fall BIOL4580 S24 10404 Arranged 'To Be Arranged'
Spr BIOL4580 S34 20080 Arranged 'To Be Arranged'

No description available.

BIOL 4600. Pediatric Neurorehabilitation.
No description available.
Fall BIOL4600 S12 10405 Arranged 'To Be Arranged'
Fall BIOL4600 S22 10406 Arranged 'To Be Arranged'
Fall BIOL4600 S24 10407 Arranged 'To Be Arranged'
Spr BIOL4600 S32 20081 Arranged 'To Be Arranged'

BIOL 4620. Subinternship in Perinatal Medicine (NICU).
No description available.
Fall BIOL4620 S14 10408 Arranged 'To Be Arranged'
Fall BIOL4620 S24 10409 Arranged 'To Be Arranged'

No description available.
Fall BIOL4630 S14 10410 Arranged 'To Be Arranged'
Fall BIOL4630 S24 10411 Arranged 'To Be Arranged'
Spr BIOL4630 S34 20082 Arranged 'To Be Arranged'

BIOL 4640. Subinternship in Pediatric Critical Care.
No description available.
Fall BIOL4640 S14 10412 Arranged 'To Be Arranged'
Fall BIOL4640 S24 10413 Arranged 'To Be Arranged'
Spr BIOL4640 S34 20083 Arranged 'To Be Arranged'

No description available.
Fall BIOL4650 S11 10414 Arranged 'To Be Arranged'
Fall BIOL4650 S12 10415 Arranged 'To Be Arranged'
Fall BIOL4650 S14 10416 Arranged 'To Be Arranged'
Fall BIOL4650 S21 10417 Arranged 'To Be Arranged'
Fall BIOL4650 S22 10418 Arranged 'To Be Arranged'
Fall BIOL4650 S24 10419 Arranged 'To Be Arranged'

BIOL 4655. Gender Sexuality & Reproductive Justice.
No description available.

BIOL 4670. Pediatrics in a Developing Country: Cambodia.
No description available.
Fall BIOL4670 S24 10420 Arranged 'To Be Arranged'

BIOL 4680. Subinternship in Pediatric Hematology-Oncology.
No description available.
Fall BIOL4680 S14 10421 Arranged 'To Be Arranged'
Fall BIOL4680 S24 10422 Arranged 'To Be Arranged'

BIOL 4900. Core Clerkship in Obstetrics and Gynecology.
Six weeks.
Fall BIOL4900 S01 10423 Arranged 'To Be Arranged'
Fall BIOL4900 S02 10424 Arranged 'To Be Arranged'
Spr BIOL4900 S03 20084 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 10425 Arranged 'To Be Arranged'
Fall BIOL4910 S24 10426 Arranged 'To Be Arranged'
Spr BIOL4910 S34 20085 Arranged 'To Be Arranged'

BIOL 4915. Clerkship in Ob/Gyn - LIC.
No description available.

BIOL 4920. Subinternship in Urogynecology + Reconstructive Pelvic Surgery.
No description available.
Fall BIOL4920 S14 10427 Arranged 'To Be Arranged'
Fall BIOL4920 S24 10428 Arranged 'To Be Arranged'

BIOL 4940. Reproductive Endocrinology and Infertility.
No description available.
Fall BIOL4940 S12 10429 Arranged 'To Be Arranged'
Fall BIOL4940 S14 10430 Arranged 'To Be Arranged'
Fall BIOL4940 S22 10431 Arranged 'To Be Arranged'
Fall BIOL4940 S23 10432 Arranged 'To Be Arranged'
Fall BIOL4940 S24 10433 Arranged 'To Be Arranged'
Spr BIOL4940 S34 20086 Arranged 'To Be Arranged'

BIOL 4950. Subinternship in Gynecologic Oncology and Pelvic Surgery.
No description available.
Fall BIOL4950 S12 10434 Arranged 'To Be Arranged'
Fall BIOL4950 S14 10435 Arranged 'To Be Arranged'
Fall BIOL4950 S22 10436 Arranged 'To Be Arranged'
Fall BIOL4950 S24 10437 Arranged 'To Be Arranged'
Spr BIOL4950 S34 20087 Arranged 'To Be Arranged'

BIOL 4955. Subinternship in Women’s Ambulatory Ob-Gyn.
No description available.
Fall BIOL4955 S14 10438 Arranged 'To Be Arranged'
Fall BIOL4955 S24 10439 Arranged 'To Be Arranged'

BIOL 4960. Women’s Reproductive Health Topics.
No description available.
Fall BIOL4960 S14 10440 Arranged 'To Be Arranged'
Fall BIOL4960 S24 10441 Arranged 'To Be Arranged'
BIOL 4970. Breast Disease.
No description available.
Fall BIOL4970 S13 10442 Arranged 'To Be Arranged'
Fall BIOL4970 S14 10443 Arranged 'To Be Arranged'
Fall BIOL4970 S22 10444 Arranged 'To Be Arranged'
Fall BIOL4970 S24 10445 Arranged 'To Be Arranged'

BIOL 4975. Gynecologic and Breast Pathology.
No description available.
Fall BIOL4975 S12 10446 Arranged 'To Be Arranged'
Fall BIOL4975 S14 10447 Arranged 'To Be Arranged'
Fall BIOL4975 S22 10448 Arranged 'To Be Arranged'
Fall BIOL4975 S24 10449 Arranged 'To Be Arranged'
Spr BIOL4975 S32 20088 Arranged 'To Be Arranged'

BIOL 4980. Patients with Women's Cancers.
No description available.
Fall BIOL4980 S14 10450 Arranged 'To Be Arranged'
Fall BIOL4980 S22 10451 Arranged 'To Be Arranged'
Fall BIOL4980 S24 10452 Arranged 'To Be Arranged'
Spr BIOL4980 S34 20089 Arranged 'To Be Arranged'

BIOL 4985. Family Planning & Reproductive Health.
No description available.
Fall BIOL4985 S14 10453 Arranged 'To Be Arranged'

BIOL 4990. Clinical Cancer Genetics.
No description available.
Fall BIOL4990 S24 10454 Arranged 'To Be Arranged'
Spr BIOL4990 S33 20090 Arranged 'To Be Arranged'

BIOL 5100. Core Clerkship in Psychiatry.
Six weeks.
Fall BIOL5100 S01 10455 Arranged 'To Be Arranged'
Fall BIOL5100 S02 10456 Arranged 'To Be Arranged'
Spr BIOL5100 S03 20091 Arranged 'To Be Arranged'

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

BIOL 5110. Subinternship in Psychiatry.
No description available.
Fall BIOL5110 S14 10457 Arranged 'To Be Arranged'
Fall BIOL5110 S24 10458 Arranged 'To Be Arranged'
Spr BIOL5110 S34 20092 Arranged 'To Be Arranged'

BIOL 5130. Addiction Psychiatry.
No description available.
Fall BIOL5130 S12 10459 Arranged 'To Be Arranged'
Fall BIOL5130 S13 10460 Arranged 'To Be Arranged'
Fall BIOL5130 S14 10461 Arranged 'To Be Arranged'
Fall BIOL5130 S22 10462 Arranged 'To Be Arranged'
Fall BIOL5130 S24 10463 Arranged 'To Be Arranged'
Spr BIOL5130 S34 20093 Arranged 'To Be Arranged'

No description available.
Fall BIOL5140 S14 10464 Arranged 'To Be Arranged'
Fall BIOL5140 S24 10465 Arranged 'To Be Arranged'

BIOL 5150. Neuropsychiatry and Behavioral Neurology.
No description available.
Fall BIOL5150 S14 10466 Arranged 'To Be Arranged'
Fall BIOL5150 S22 10467 Arranged 'To Be Arranged'
Fall BIOL5150 S24 10468 Arranged 'To Be Arranged'

BIOL 5160. Women's Mental Health Elective.
No description available.
Fall BIOL5160 S12 10469 Arranged 'To Be Arranged'
Fall BIOL5160 S14 10470 Arranged 'To Be Arranged'
Fall BIOL5160 S22 10471 Arranged 'To Be Arranged'
Fall BIOL5160 S24 10472 Arranged 'To Be Arranged'

No description available.
Fall BIOL5210 S12 10473 Arranged 'To Be Arranged'
Fall BIOL5210 S14 10474 Arranged 'To Be Arranged'
Fall BIOL5210 S22 10475 Arranged 'To Be Arranged'
Fall BIOL5210 S24 10476 Arranged 'To Be Arranged'

No description available.
Fall BIOL5220 S14 10477 Arranged 'To Be Arranged'
Fall BIOL5220 S24 10478 Arranged 'To Be Arranged'
Spr BIOL5220 S34 20094 Arranged 'To Be Arranged'

No description available.
Fall BIOL5230 S14 10479 Arranged 'To Be Arranged'
Fall BIOL5230 S22 10480 Arranged 'To Be Arranged'
Fall BIOL5230 S24 10481 Arranged 'To Be Arranged'

BIOL 5240. Healthcare for Homeless Communities.
No description available.
Fall BIOL5240 S01 10482 Arranged 'To Be Arranged'
Fall BIOL5240 S02 10483 Arranged 'To Be Arranged'

BIOL 5300. Clerkship in Psychiatry-Clinical Neuroscience.
Six weeks.
Fall BIOL5300 S01 10484 Arranged 'To Be Arranged'
Fall BIOL5300 S02 10485 Arranged 'To Be Arranged'

BIOL 5315. Clerkship in Psychiatry.
No description available.
Fall BIOL5315 S01 10486 Arranged 'To Be Arranged'
Fall BIOL5315 S02 10487 Arranged 'To Be Arranged'

BIOL 5320. Clerkship in Psychiatry - LIC.
No description available.
Fall BIOL5320 S01 10488 Arranged 'To Be Arranged'
Fall BIOL5320 S02 10489 Arranged 'To Be Arranged'

BIOL 5330. Clerkship in Neurology - LIC.
No description available.

BIOL 5400. Core Clerkship in Community Health.
Six weeks.
Fall BIOL5400 S01 10490 Arranged 'To Be Arranged'
Fall BIOL5400 S02 10491 Arranged 'To Be Arranged'

BIOL 5460. Physical Medicine and Rehabilitation.
No description available.
Fall BIOL5460 S23 10492 Arranged 'To Be Arranged'
Fall BIOL5460 S24 10493 Arranged 'To Be Arranged'

BIOL 5480. Rural Community Medicine.
No description available.
Fall BIOL5480 S12 10494 Arranged 'To Be Arranged'
Fall BIOL5480 S14 10495 Arranged 'To Be Arranged'
Fall BIOL5480 S22 10496 Arranged 'To Be Arranged'
Fall BIOL5480 S24 10497 Arranged 'To Be Arranged'

BIOL 5490. Geriatrics and Rehabilitation.
No description available.
Fall BIOL5490 S12 10498 Arranged 'To Be Arranged'
Fall BIOL5490 S14 10499 Arranged 'To Be Arranged'
Fall BIOL5490 S24 10500 Arranged 'To Be Arranged'
Spr BIOL5490 S34 20095 Arranged 'To Be Arranged'
### BIOL 5510. Introduction to the Basic Science Curriculum in the Medical School.
The preclinical elective is designed for PLME students who will enter the Alpert Medical School. The seminar series provides perspectives on teaching and learning in the Alpert Medical School—with a specific focus on understanding how the basic sciences are addressed in lectures and in the laboratory.

### BIOL 5525. Medical French Elective.
No description available.

### BIOL 5530. College Student Health.
No description available.

### BIOL 5540. Controversies in Health Care Policy.
No description available.

### BIOL 5550. Law and Medicine.
No description available.

### BIOL 5560. Wilderness and Environmental Medicine.
No description available.

### BIOL 5562. Emergency Medicine.
No description available.

### BIOL 5600. Rural Family Practice.
No description available.

### BIOL 5620. Emergency Medicine.
No description available.

### BIOL 5630. Emergency Medicine.
No description available.

### BIOL 5640. Point of Care Ultrasound.
No description available.

### BIOL 5650. Pediatric Emergency Medicine.
No description available.

### BIOL 5655. Sex and Gender Based Acute Care Medicine.
No description available.

### BIOL 5660. Wilderness and Environmental Medicine.
No description available.

### BIOL 5690. Spirituality and Medicine.
No description available.

### BIOL 5700. Bridging the Bench and Bedside.
No description available.

### BIOL 5730. Introduction to Medical Portuguese.
No description available.

### BIOL 5795. Clerkship in Family Medicine - LIC.
No description available.

### BIOL 5800. Core Clerkship in Family Medicine.
Six weeks.

- **Fall BIOL5800** S10 10515 Arranged 'To Be Arranged'
- **Fall BIOL5800** S02 10516 Arranged 'To Be Arranged'
- **S pr BIOL5800** S03 20100 Arranged 'To Be Arranged'

### BIOL 5805. Individualized Clerkship in Family Medicine.
No description available.

### BIOL 5810. Maternal and Child Health.
No description available.

- **Fall BIOL5810** S13 10517 Arranged 'To Be Arranged'
- **Fall BIOL5810** S14 10518 Arranged 'To Be Arranged'
- **Fall BIOL5810** S24 10519 Arranged 'To Be Arranged'
- **Spr BIOL5810** S34 20101 Arranged 'To Be Arranged'

### BIOL 5815. Subinternship in Maternal and Child Health.
No description available.

- **Fall BIOL5815** S14 10520 Arranged 'To Be Arranged'
- **Fall BIOL5815** S24 10521 Arranged 'To Be Arranged'

### BIOL 5820. Elective in Family Medicine.
No description available.

- **Fall BIOL5820** S12 10522 Arranged 'To Be Arranged'
- **Fall BIOL5820** S14 10523 Arranged 'To Be Arranged'
- **Fall BIOL5820** S22 10524 Arranged 'To Be Arranged'
- **Fall BIOL5820** S24 10525 Arranged 'To Be Arranged'
- **Spr BIOL5820** S32 20102 Arranged 'To Be Arranged'

### BIOL 5830. Free Clinic Preadeptorship.
No description available.

### BIOL 5850. Primary Care Sports Medicine.
No description available.

- **Fall BIOL5850** S12 10526 Arranged 'To Be Arranged'
- **Fall BIOL5850** S14 10527 Arranged 'To Be Arranged'
- **Fall BIOL5850** S22 10528 Arranged 'To Be Arranged'
- **Fall BIOL5850** S24 10529 Arranged 'To Be Arranged'
- **Spr BIOL5850** S34 20103 Arranged 'To Be Arranged'

### BIOL 5870. Subinternship in Family Medicine.
No description available.

- **Fall BIOL5870** S14 10530 Arranged 'To Be Arranged'
- **Fall BIOL5870** S24 10531 Arranged 'To Be Arranged'

### BIOL 5880. Clinical Skills Clerkship Teaching Academy.
No description available.

### BIOL 5885. Clinical Skills Clerkship.
No description available.

- **Fall BIOL5885** S01 10532 Arranged 'To Be Arranged'

### BIOL 5895. Medical Spanish.
No description available.

- **Fall BIOL5895** S14 10533 Arranged 'To Be Arranged'
- **Fall BIOL5895** S18 10534 Arranged 'To Be Arranged'
- **Fall BIOL5895** S22 10535 Arranged 'To Be Arranged'
- **Fall BIOL5895** S24 10536 Arranged 'To Be Arranged'
- **Fall BIOL5895** S25 10537 Arranged 'To Be Arranged'
- **Fall BIOL5895** S28 10538 Arranged 'To Be Arranged'

### BIOL 5896. Fundamentals of Health Policy and Management.
No description available.

- **Fall BIOL5896** S22 10539 Arranged 'To Be Arranged'

### BIOL 5897. Self Study in EKG Interpretation.
No description available.

- **Fall BIOL5897** S21 10540 Arranged 'To Be Arranged'
- **Fall BIOL5897** S22 10541 Arranged 'To Be Arranged'
- **Fall BIOL5897** S24 10542 Arranged 'To Be Arranged'

### BIOL 5898. Personal Essay and Op-Ed Writing for Patient Advocacy.
No description available.
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 10543 Arranged 'To Be Arranged'

BIOL 5990. Internship Preparation Elective.  
No description available.

BIOL 6010. Human Anatomy.  
No description available.

Spr BIOL6010 S34 20104 Arranged 'To Be Arranged'

BIOL 6110. Applied Pathology.  
No description available.

Fall BIOL6110 S14 10544 Arranged 'To Be Arranged'  
(S. Mangray)

Fall BIOL6110 S13 10546 Arranged 'To Be Arranged'

Fall BIOL6110 S14 10547 Arranged 'To Be Arranged'

Fall BIOL6110 S22 10548 Arranged 'To Be Arranged'

Fall BIOL6110 S24 10549 Arranged 'To Be Arranged'

Spr BIOL6110 S32 20105 Arranged 'To Be Arranged'

Spr BIOL6110 S34 20106 Arranged 'To Be Arranged'

BIOL 6120. Research in Perinatal/Pediatric Pathology.  
No description available.

Fall BIOL6120 S22 10550 Arranged 'To Be Arranged'

Spr BIOL6120 S34 20107 Arranged 'To Be Arranged'

BIOL 6140. Seminar in Clinical Pathological, Developmental and Pediatric Pathology.  
No description available.

Fall BIOL6140 S11 10551 Arranged 'To Be Arranged'

Fall BIOL6140 S12 10552 Arranged 'To Be Arranged'

Fall BIOL6140 S14 10553 Arranged 'To Be Arranged'

Fall BIOL6140 S22 10554 Arranged 'To Be Arranged'

Fall BIOL6140 S24 10555 Arranged 'To Be Arranged'

Spr BIOL6140 S32 20108 Arranged 'To Be Arranged'

Spr BIOL6140 S34 20109 Arranged 'To Be Arranged'

BIOL 6150. Neuropathology.  
No description available.

Fall BIOL6150 S12 10556 Arranged 'To Be Arranged'

Fall BIOL6150 S22 10557 Arranged 'To Be Arranged'

Fall BIOL6150 S24 10558 Arranged 'To Be Arranged'

BIOL 6260. Radiation Oncology in a Private Practice Setting.  
No description available.

Fall BIOL6260 S22 10559 Arranged 'To Be Arranged'

Spr BIOL6260 S32 20110 Arranged 'To Be Arranged'

BIOL 6280. Diagnostic Radiology and Nuclear Medicine.  
No description available.

Fall BIOL6280 S12 10560 Arranged 'To Be Arranged'

Fall BIOL6280 S22 10561 Arranged 'To Be Arranged'

Spr BIOL6280 S32 20111 Arranged 'To Be Arranged'

Spr BIOL6280 S34 20112 Arranged 'To Be Arranged'

BIOL 6290. Diagnostic Radiology.  
No description available.

Fall BIOL6290 S12 10562 Arranged 'To Be Arranged'

Fall BIOL6290 S13 10563 Arranged 'To Be Arranged'

Fall BIOL6290 S14 10564 Arranged 'To Be Arranged'

Fall BIOL6290 S22 10565 Arranged 'To Be Arranged'

Fall BIOL6290 S23 10566 Arranged 'To Be Arranged'

Fall BIOL6290 S24 10567 Arranged 'To Be Arranged'

Spr BIOL6290 S32 20113 Arranged 'To Be Arranged'

Spr BIOL6290 S34 20114 Arranged 'To Be Arranged'

BIOL 6300. Nuclear Medicine Preceptorship.  
No description available.

Fall BIOL6300 S12 10568 Arranged 'To Be Arranged'

Fall BIOL6300 S21 10569 Arranged 'To Be Arranged'

Fall BIOL6300 S22 10570 Arranged 'To Be Arranged'

Fall BIOL6300 S24 10571 Arranged 'To Be Arranged'

BIOL 6310. Subinternship in Interventional Radiology.  
No description available.

Fall BIOL6310 S14 10572 Arranged 'To Be Arranged'

Fall BIOL6310 S24 10573 Arranged 'To Be Arranged'

BIOL 6320. Vascular and Interventional Radiology.  
No description available.

Fall BIOL6320 S12 10574 Arranged 'To Be Arranged'

Fall BIOL6320 S13 10575 Arranged 'To Be Arranged'

Fall BIOL6320 S14 10576 Arranged 'To Be Arranged'

Fall BIOL6320 S22 10577 Arranged 'To Be Arranged'

Fall BIOL6320 S24 10578 Arranged 'To Be Arranged'

BIOL 6330. Body Imaging and Intervention.  
No description available.

Fall BIOL6330 S12 10579 Arranged 'To Be Arranged'

Fall BIOL6330 S14 10580 Arranged 'To Be Arranged'

Fall BIOL6330 S22 10581 Arranged 'To Be Arranged'

Fall BIOL6330 S24 10582 Arranged 'To Be Arranged'

Spr BIOL6330 S34 20115 Arranged 'To Be Arranged'

BIOL 6340. Community Radiology - Newport.  
No description available.

Fall BIOL6340 S22 10583 Arranged 'To Be Arranged'

BIOL 6360. Neuroradiology.  
No description available.

Fall BIOL6360 S12 10584 Arranged 'To Be Arranged'

Fall BIOL6360 S14 10585 Arranged 'To Be Arranged'

Fall BIOL6360 S22 10586 Arranged 'To Be Arranged'

Fall BIOL6360 S24 10587 Arranged 'To Be Arranged'

Spr BIOL6360 S32 20116 Arranged 'To Be Arranged'

BIOL 6380. Pediatric Radiology.  
No description available.

Fall BIOL6380 S12 10588 Arranged 'To Be Arranged'

Fall BIOL6380 S13 10589 Arranged 'To Be Arranged'

Fall BIOL6380 S14 10590 Arranged 'To Be Arranged'

Fall BIOL6380 S22 10591 Arranged 'To Be Arranged'

Fall BIOL6380 S24 10592 Arranged 'To Be Arranged'

BIOL 6390. Intro to Women's Diagnostic Imaging.  
No description available.

Fall BIOL6390 S12 10593 Arranged 'To Be Arranged'

Fall BIOL6390 S22 10594 Arranged 'To Be Arranged'

Spr BIOL6390 S32 20117 Arranged 'To Be Arranged'

BIOL 6400. Radiation Oncology.  
No description available.

Fall BIOL6400 S12 10595 Arranged 'To Be Arranged'

Fall BIOL6400 S14 10596 Arranged 'To Be Arranged'

Fall BIOL6400 S22 10597 Arranged 'To Be Arranged'

Fall BIOL6400 S24 10598 Arranged 'To Be Arranged'

Spr BIOL6400 S32 20118 Arranged 'To Be Arranged'

Spr BIOL6400 S34 20119 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 are 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. Prerequisite: Background in Spanish. Grading: S/NC

BIOL 6503. Poverty, Health and Law.
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.

No description available.

BIOL 6507. Elective in Mindfulness Training.
No description available.

BIOL 6508. Gender and Sexuality in Healthcare: Caring for All Patients.
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.

BIOL 6510. Topics in Medicine - An International Perspective at University of Rostock, Germany.
No description available.

BIOL 6511. Comparative Medical Ethics at University of Tuebingen, Germany.
No description available.

BIOL 6512. Modern Genetics: Ethics, Policy, and the Doctor-Patient Relationship.
No description available.

BIOL 6513. (Play)writing and Medicine.
No description available.

This elective seminar for 1st and 2nd year medical school and PLME students will introduce them to the world of complementary and alternative forms of healing (CAM) and place it into a framework of an Integrative medicine.

BIOL 6515. Humanities as Medical Instruments.
No description available.

BIOL 6516. Race, Health Disparities, and Biomedical Interpretations.
No description available.

BIOL 6517. Diseases, Doctors and Divas.
No description available.

BIOL 6518. Design and Health.
No description available.

BIOL 6519. Leadership in the Health Professions.
No description available.

BIOL 6520. Artists and Scientists as Partners.
No description available.

BIOL 6521. Advanced Spanish.
No description available.

BIOL 6522. The Healer's Art.
No description available.

BIOL 6524. Introduction to Sports Medicine.
No description available.

No description available.

BIOL 6526. Neuroimaging of Mindfulness + Contemplative Practice.
No description available.

BIOL 6527. Physician as Medical Illustrator.
No description available.

BIOL 6528. Art and Healing.
No description available.

BIOL 6529. Addiction Medicine.
No description available.

BIOL 6530. Homeless Communities Health Outreach.
No description available.

BIOL 6533. Sex and Gender Based Medicine.
No description available.

BIOL 6534. Neurological Surgery.
No Description Available.

BIOL 6535. Biomedical Informatics.
No description available.

No description available.

BIOL 6537. Practical Skills in EMS and Disaster Response.
No description available.

BIOL 6539. Medical Journalism.
No description available.

No description available.

BIOL 6542. Medical Portuguese.
No description available.

BIOL 6543. Introduction to Podcasting for Medical Education.
No description available.

BIOL 6544. Introduction to Medical Arabic.
No description available.

BIOL 6593. Medical Journalism.
No description available.

BIOL 6550. Medical Students Outreach to Mothers to Be (MOMS).
No description available.

BIOL 6551. The Bionic Human Elective.
No description available.

BIOL 6552. Wilderness Medicine Preclinical Elective.
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 6553. Refugee Health and Advocacy.
No description available.
No description available.

No description available.

No description available.

Biol 6657. Sexual Health.  
No description available.

Biol 6658. Medical Impact of Translational and Basic Science.  
No description available.

No description available.

No description available.

No description available.

Biol 6663. Qualified Professional Test Counselor Certification Course.  
No description available.

No description available.

Biol 6665. Classroom Connection: Understanding Allergy and Immunology.  
No description available.

Biol 6666. Food and Health.  
No description available.

No description available.

Biol 6668. Intro to Patient Safety + Quality Improvement.  
No description available.

Biol 6669. The Virtuous Physician.  
No description available.

No description available.

No description available.

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.

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.

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.

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.

No description available.

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

No description available.

No description available.

Biol 7000. Away Elective 1.  
No description available.

Fall Biol7000 S11 10599 Arranged ‘To Be Arranged’
Fall Biol7000 S12 10600 Arranged ‘To Be Arranged’
Fall Biol7000 S13 10601 Arranged ‘To Be Arranged’
Fall Biol7000 S14 10602 Arranged ‘To Be Arranged’
Fall Biol7000 S15 10603 Arranged ‘To Be Arranged’
Fall Biol7000 S22 10604 Arranged ‘To Be Arranged’
Fall Biol7000 S23 10605 Arranged ‘To Be Arranged’
Fall Biol7000 S24 10606 Arranged ‘To Be Arranged’
Fall Biol7000 S25 10607 Arranged ‘To Be Arranged’
Fall Biol7000 S28 10608 Arranged ‘To Be Arranged’
Spr Biol7000 S32 20120 Arranged ‘To Be Arranged’
Spr Biol7000 S33 20121 Arranged ‘To Be Arranged’
Spr Biol7000 S34 20122 Arranged ‘To Be Arranged’
Spr Biol7000 S38 20123 Arranged ‘To Be Arranged’

No description available.

Fall Biol7101 S11 10609 Arranged ‘To Be Arranged’
Fall Biol7101 S12 10610 Arranged ‘To Be Arranged’
Fall Biol7101 S13 10611 Arranged ‘To Be Arranged’
Fall Biol7101 S14 10612 Arranged ‘To Be Arranged’
Fall Biol7101 S21 10613 Arranged ‘To Be Arranged’
Fall Biol7101 S22 10614 Arranged ‘To Be Arranged’
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Fall Biol7101 S26 10618 Arranged ‘To Be Arranged’
Spr Biol7101 S32 20124 Arranged ‘To Be Arranged’
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BIOL 7210. International Elective: Moi University (Kenya).
No description available.

No description available.
Fall BIOL7215 S12 10689 Arranged 'To Be Arranged'
Fall BIOL7215 S24 10690 Arranged 'To Be Arranged'

No description available.

BIOL 7225. International Elective: University of Rostock (Germany).
No description available.

BIOL 7230. International Elective: Technion-Israel Institute of Technology.
No description available.
Fall BIOL7230 S23 10691 Arranged 'To Be Arranged'
Fall BIOL7230 S24 10692 Arranged 'To Be Arranged'

No description available.
Fall BIOL7235 S14 10693 Arranged 'To Be Arranged'

BIOL 7240. International Elective: University of Tuebingen (Germany).
No description available.
Fall BIOL7240 S24 10694 Arranged 'To Be Arranged'

No description available.

BIOL 7246. International Elective University of Nicaragua.
No description available.

No description available.
Fall BIOL7247 S22 10695 Arranged 'To Be Arranged'

BIOL 7248. International Elective University of Sao Paolo (Brazil).
No description available.

BIOL 7249. International Elective Kyoto University (Japan).
No description available.

BIOL 7250. International Elective University of Notre Dame Haiti.
No description available.
Fall BIOL7250 S24 10696 Arranged 'To Be Arranged'

BIOL 7255. International Elective EWhA Womans University (Korea).
No description available.

BIOL 7301. Seminar on Race + Health Disparities.
No description available.
Fall BIOL7301 S26 10697 Arranged 'To Be Arranged'

BIOL 7600. Approved Subinternship Away.
No description available.
Fall BIOL7600 S14 10698 Arranged 'To Be Arranged'
Fall BIOL7600 S23 10699 Arranged 'To Be Arranged'
Fall BIOL7600 S24 10700 Arranged 'To Be Arranged'
Spr BIOL7600 S34 20143 Arranged 'To Be Arranged'

BIOL 7605. Approved Subinternship Away 2.
No description available.
Fall BIOL7605 S14 10701 Arranged 'To Be Arranged'
Fall BIOL7605 S23 10702 Arranged 'To Be Arranged'
Fall BIOL7605 S24 10703 Arranged 'To Be Arranged'

BIOL 7610. Approved Subinternship Away 3.
No description available.
Fall BIOL7610 S24 10704 Arranged 'To Be Arranged'

Medical Education

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.

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 well have students develop and demonstrate the necessary research skills to formulate a population medicine research question and then design, conduct and write a manuscript presenting a research study that will satisfy the thesis requirements.
The course itself has three parts:
An introductory primary on biostatistics A research methodology seminar series A journal club in which the biostatistics and research methodology will be integrated in the analysis and critique of studies related to population medicine

MED 2040. Health Systems and Policy II.
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 2045. Quantitative Reasoning.
In this course, students will be introduced to fundamental concepts in clinical 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 2046. Leadership in Health Care.
This courses emphasizes practical application of teamwork and leadership skills across multiple settings. Leadership in Health Care is a master’s level course for second year medical students enrolled in the Primary Care-Population Medicine (PC-PM) program. Through interactive classroom sessions, field work in health care advocacy, and a team-based “leadership action project”, students will develop foundational leadership skills. The formeral leadership course at Alpert Medical School, Leadership in Health Care will contribute to the PC-PM program’s ultimate goal of preparing physician leaders who will improve the quality of health care and wellness of the population.

MED 2050. Population and Clinical Medicine I.
This is the first 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, and 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. Population and Clinical Medicine 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 III. 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, educational 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 Science 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. Grounding 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 Neuropsychology. The intent of the course is to encourage the integration of underlying neuroanatomy and basic science 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 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 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 0600. Convergence of Medicine, Technology and Public Policy in the US, As Told by the Failing Kidney.**
Technological advances, public policy, and corporate interests are assuming ever-expanding roles in US health care. This course explores the conjunction of the introduction of hemodialysis, a unique 1972 expansion of the Medicare program to cover the costs of end-stage renal disease (ESRD) and the simultaneous spread of corporate-run, for-profit dialysis centers.

This course explores how the concurrence of technological advances, public policy initiatives, and corporate consolidation led to major consequences in the treatment advanced kidney disease. The course reviews the history, treatment, implications of the technological imperative and the evolution of the medical-industrial complex through ESRD in American medicine.

Fall PLME0600 S01 15375 Arranged 'To Be Arranged'

**PLME 1000. PLME Senior Seminar in Scientific Medicine.**
This course is an interdisciplinary and 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 a case-based approach to relevant and contemporary subjects in medicine and health care, such as: biological systems and their interactions; diagnosis and therapy optimization; and the humanistic aspects of patient care. 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 introductory calculus. Enrollment limited to 40. S/NC
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Helvetica was used instead of Arial.

The editor may contact Leepfrog for a draft with the correct fonts in place.