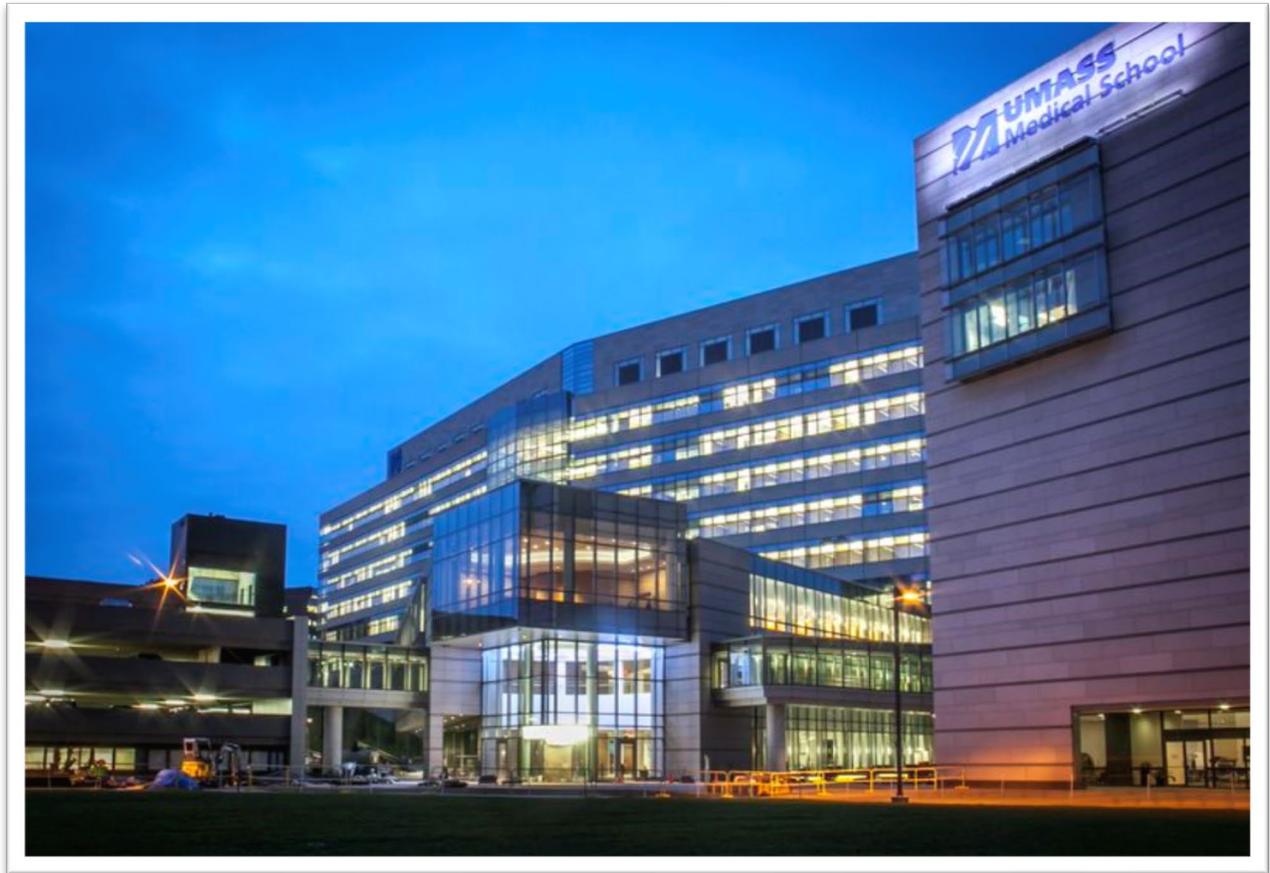




Graduate School of  
Biomedical Sciences



# Course Catalog & Registration Fall 2019

Registration Open: July 1, 2019 – July 22, 2019

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# GSBS FALL 2019 REGISTRATION INSTRUCTIONS

Registration Period: 7/1/2019-7/22/2019

Final Date for add/drop: 9/13/2019

## PeopleSoft Campus Solutions (PSCS) On-line Registration

### To begin online Registration

Sign into PeopleSoft Campus Solutions (PSCS) with your assigned User name and Password

<https://sm-prd.wsa.umasscs.net/psp/wsaprd90/EMPLOYEE/HRMS/h/?tab=DEFAULT>

### PSCS FAQ's including login and password issues

[https://umassmed.service-now.com/sp?id=kb\\_article&sys\\_id=7f14024d4ffb9f0475ed97dd0210c7b5](https://umassmed.service-now.com/sp?id=kb_article&sys_id=7f14024d4ffb9f0475ed97dd0210c7b5)

## Class Numbers

Please note: course numbers (example: BBS601) are not the same as class numbers (example: 1257). **Class numbers are unique identifiers that change every semester.** The Class Number is included with the course information, except for research or tracking courses (where there are multiple faculty sections)

You will need to use the Class Numbers Lists to register for any Research or Tracking Course. Class number lists are within this registration guide; check the table of contents for the page numbers

## Class Meeting Information

Students are strongly advised to obtain class meeting information directly from the Course Director prior to registering for the course, particularly if there is a concern about conflicts with other course offerings. Frequently faculty have not finalized this information by the date that Registration opens. If the information about class start/end dates, meeting times and room numbers has been submitted to the Graduate School office, it will be in the Course Catalog section of this document.

## ASSISTANCE

### Assistance with Administrative Questions

#### Basic & Biomedical Sciences Students Contact:

First Year: Annette Stratton, S1-824, 508-856-1938, [annette.stratton@umassmed.edu](mailto:annette.stratton@umassmed.edu)

Second Year and Beyond: Mindy Donovan, 508-856-5938, [mindy.donovan@umassmed.edu](mailto:mindy.donovan@umassmed.edu)

#### Clinical & Translational Sciences and MD/PhD Students Contact:

Anne Michelson, S1-824, 508-856-8025, [anne.michelson@umassmed.edu](mailto:anne.michelson@umassmed.edu)

### Assistance with Advanced Topics

If you have questions regarding program requirements or the selection of advanced topic or elective courses, you should meet with your Graduate Program Director or Thesis Advisor for clarification.

#### Graduate Program Directors

Program	Name	Location	Telephone
Biochemistry and Molecular Pharmacology	Kobertz, William	LRB-804	508-856-8861
Bioinformatics & Computational Biology	Weng, Zhiping	AS5-1069	508-856-8866
Cancer Biology	Kim, Dohoon	LRB 4-422	508-856-4428
Cancer Biology	Mercurio, Arthur	LRB-408	508-856-8676
Cell Biology	Imbalzano, Anthony	S3-125	508-856-1029
Clinical & Population Health Research	Lapane, Kate	AS6-1083	508-856-8999
Computational Biomedical Sciences and Engineering	Grunwald, David	AS4-1043	774-455-3632
Health Sciences Preparatory Program	Knight, Kendall	S1-824	508-856-5628
Immunology & Microbiology (Immunology Advisor)	Silverman, Neal	LRB-326	508-856-5826
Immunology & Microbiology (Virology Advisor)	Morrison, Trudy	S5-250	508-856-6592
Immunology & Microbiology (Bacterial Pathogenesis Advisor)	Beth McCormick	AS8-2049	508-856-6048
Interdisciplinary Graduate Program	Peterson, Craig	Biotech2, Suite 210	508-856-5858
Interdisciplinary Graduate Program	Tissenbaum, Heidi	LRB-621	508-856-5840
MD/PhD	Corvera, Silvia	Biotech 2, suite 107	508-856-6898
MD/PhD	Szabo, Gyongyi	LRB-208	508-856-8025
Millennium MD/PhD Program	Kornfeld, Hardy	LRB-303	508-856-8025
MS in Clinical Investigation	Goldberg, Robert	AS6-2071	508-856-8025
Neuroscience	Weaver, David	LRB-723	508-856-2495
Pathway to Graduate Study	Lewis, Brian	LRB-521	508-856-4325
Translational Science	Mandrekar, Pranoti	LRB-221	508-856-5391
Translational Science	Royer, William	LRB-921	508-856-6912



## COURSES FOR FALL REGISTRATION

### Basic & Biomedical Science Courses

#### **BBS 601 - Professionalism and Research Conduct (PARC)**

**Class #: 2063**

This is a required course for all third year Basic Sciences students and all MD/PhD students entering doctoral study but who are not on the CPHR track. The PARC course helps to center our students in areas that are foundational to success in research: responsible data management; management of intellectual property; the ethical use of research subjects; recognizing and resolving conflicts of interest, professionalism in peer review and publishing; engaging mentors; and career exploration and planning. The PARC course comprises faculty-led presentations and small group discussions with case studies and workshop material. An online learning module (CITI training program comprising many case studies) is also included and must be completed before the end of the fall semester.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Imbalzano, Anthony

**Course Director email:** Anthony.Imbalzano@umassmed.edu

**Co-Course Director:** Fuhrmann, Cynthia

**Co-Course Director email:** Cynthia.Fuhrmann@umassmed.edu

**Course Administrator:** Parker, Irina

**Course Administrator email:** Irina.Parker@umassmed.edu

**Class Meeting Information:** 9/18/2019-12/18/2019, Wednesdays 9am-11 am. No class 10/2, 11/6 and 11/27

**Class Meeting Location:** S2-351/352

**Required Textbooks:** Macrina, Francis L. Scientific Integrity: Text and Cases in Responsible Conduct of Research. ASM, 2005. ISBN: 1-55581-318-6. TEXTBOOK IS PROVIDED

**Recommended Textbooks:**

**Additional notes:**

## BBS 602 - Preparation for Qualifying Exam

Class #: 3349

This course seeks to help prospective scientists in the biological and medical sciences communicate their work effectively, in writing, graphics and oral presentations. The course teaches how to prepare a research paper using words, statistics and figures; how to present science to a lay audience; how to write a grant proposal; and how to present orally to scientific peers.

**Prerequisites:** None

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Lane, Mary Ellen

**Course Director email:** maryellen.lane@umassmed.edu

**Co-Course Director:** Conte, Darryl

**Co-Course Director email:** Darryl.Conte@umassmed.edu

**Course Administrator:** Stratton, Annette

**Course Administrator email:** annette.stratton.com

**Class Meeting Information:** Wednesdays 9a-11a (Class will meet every other week starting in October). Contact course director for more details.

**Class Meeting Location:**

**Required Textbooks:** The visual display of quantitative informations 2nd ed. (2001). Cheshire, CT: Graphics Press. PROVIDED TO STUDENTS BY THE GSBS

**Recommended Textbooks:**

**Additional notes:**

## BBS 603 - Responsible Conduct of Research - Post Doctoral Scholars

Class #: 3203

This is lecture and discussion based class covering the 9 specific topics in Responsible Conduct of Research as mandated by NIH. It consists of four, two-hour sessions plus an additional two-hour session to introduce Individual Development Plans.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Imbalzano, Anthony

**Course Director email:** Anthony.Imbalzano@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:** Parker, Irina

**Course Administrator email:** Irina.Parker@umassmed.edu

**Class Meeting Information:** Class will meet on 11/5, 11/8, 11/14, 11/18, 11/21 from 9:30am-11:30am

**Class Meeting Location:** S2-351/352

**Required Textbooks:** Macrina, Francis L. Scientific Integrity: Text and Cases in Responsible Conduct of Research. ASM, 2005. ISBN: 1-55581-318-6. TEXTBOOK IS PROVIDED

**Recommended Textbooks:**

**Additional notes:**

## BBS 614 - Foundations in Biomedical Science

Class #: 3149

This problem-based course provides learning opportunities through exploration of multidisciplinary areas of contemporary biomedical research, and creates a forum for practice in the skills required for research.

**Prerequisites:** Matriculation in the PhD Program

**Credits:** 6 | **Grading:** Letter

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Zitzewitz, Jill

**Co-Course Director:**

**Course Administrator:** Stratton, Annette

**Course Director email:** Jill.Zitzewitz@umassmed.edu

**Co-Course Director email:**

**Course Administrator email:**

annette.stratton@umassmed.edu

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## BBS 706 - An Empirical Introduction to Statistical Modeling

Class #: 4074

Lecture and textbook based course on statistical modeling and machine learning, with exercises on analyzing real data.

**Prerequisites:** Foundations Course (BBS 614) or Core Course (BBS 611-613) and basic proficiency with R, or approval of instructor

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Bioinformatics & Computational Biology

**Course Director:** Garber, Manuel

**Co-Course Director:**

**Course Administrator:**

**Course Director email:** manuel.garber@umassmed.edu

**Co-Course Director email:**

**Course Administrator email:**

**Class Meeting Information:** Contact course director for details

**Class Meeting Location:**

**Required Textbooks:** Kuhn, M., & Johnson, K. (2013). Applied predictive modeling. New York: Springer. ISBN-13: 978-1461468486

**Recommended Textbooks:**

**Additional notes:**

## BBS 715 - Chemical Biology

Class #: 4075

The course focuses on the use of chemical approaches to answer fundamental questions in biology. Topics include post-translational modifications; chemical synthesis and modification of biopolymers; combinatorial chemistry; chemical genetics; rational drug design; ligand-receptor interactions; and the fundamentals of fluorescence.

**Prerequisites:** None

**Credits:** 3 | **Grading:** Letter

**Associated Program(s):** Biochemistry & Molecular Pharmacology

**Course Director:** Miller, Stephen

**Course Director email:** Stephen.Miller@UMassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Tuesdays 2pm-5pm

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## BBS 748 - Introduction to Cellular Metabolism and Disease

Class #: 2319

This intense 3-week course will expose students to a variety of topics related to cellular metabolism. The course will cover material ranging from foundational principles to current leading-edge research. The principles and mechanisms regulating metabolism will be explored from multiple perspectives, including biochemistry, biophysics, genetics, molecular biology and cell biology.

**Prerequisites:** None

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Pathway to Graduate Study Interdisciplinary Translational Science

**Course Director:** Lewis, Brian

**Course Director email:** brian.lewis@umassmed.edu

**Co-Course Director:** Walker, Amy

**Co-Course Director email:** amy.walker@umassmed.edu

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** 7/8/2019-7/26/2019, Monday through Friday from 10am-12pm

**Class Meeting Location:** S3-436

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## BBS 782 - Bases of Brain Disease

Class #: 3411

This advanced topics course will be an in-depth study of specific areas of the neurochemical, anatomical, cell biological and genetic basis of nervous system disease. It will teach students skills in critically reading, literature and presentation of research material. The course topics are divided into sections covering disorders of neuronal migration and development; neurodegenerative diseases; and behavioral disorders. These topics cover the cell and molecular biological processes of brain function in health and disease.

**Prerequisites:** GSBS Core Courses or permission from course coordinator

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Neuroscience

**Course Director:** Punzo, Claudio

**Course Director email:** claudio.punzo@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Thursdays 3p-5p

**Class Meeting Location:** S3-402

**Required Textbooks:** None

**Recommended Textbooks:** None

**Additional notes:**

## BBS 801 - RNA Biology Journal Club

Class #: 1007

A discussion of recent and classical papers covering various topics in RNA biology. Students will choose from a list of papers provided by course coordinators or from recent literature with approval from coordinators.

**Prerequisites:** Permission from course coordinator

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Interdisciplinary

**Course Director:** Ambros, Victor

**Course Director email:** victor.ambros@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:** Lynch, Joan

**Course Administrator email:** joan.lynch@umassmed.edu

**Class Meeting Information:** Starts 9/24/2019 and will meet the 4th Tuesday of each month 10a-12p

**Class Meeting Location:** BT2 - 2nd floor conference room

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:** Schedule and paper to be posted on the website:

<http://www.umassmed.edu/ambroslab/meetings/rna-biology-club-schedule/>

## BBS 808 - Journal Club in Neuroscience

Class #: 3351

Neuroscience Journal Club gives students the opportunity to present and discuss exciting new papers in neuroscience in an informal setting. Student presentations occur weekly (Wednesday 12-1). Students are also expected to attend the Neuroscience Program Seminar series (Thursday 12:15-1:15) and to meet with external speakers (Thursday 1:40-2:20). Program in Neuroscience students are required to take 2 semesters of BBS 808. BBS 838 substitutes for 808.

**Prerequisites:** None

**Credits:** 2 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Neuroscience

**Course Director:** Weaver, David

**Course Director email:** david.weaver@umassmed.edu

**Co-Course Director:** Gardner, Paul

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** 9/4/2019 - Organizational meeting. Course runs through 1/30/2020 with some weeks off. Meets on Wednesday 12p-1p and Thursdays 12:15p-2:30p

**Class Meeting Location:** LRB-716

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:** Presenting students meet with Course Director in advance of each presentation. In fall 2019, either BBS 808 or BBS 838 will be offered or a hybrid between them, but not both. TBD based on enrollments.

## BBS 810 - Graduate Student Seminar Series

Class #: 1009 - GROUP  
REGISTERED

This course provides students with the opportunity to develop public speaking skills necessary for scientific presentations. This experience will facilitate both formal and informal presentation of a student's own research. All BMP students will be registered in this course to satisfy the annual presentation requirement.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Biochemistry & Molecular Pharmacology

**Course Director:** Kobertz, William

**Course Director email:** William.Kobertz@Umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Fridays 4p-5p

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:** Instructor will advise students of start date.

## BBS 821 - Molecular and Cellular Immunology

Class #: 2117

Some of the most active areas of current immunology are investigated through the reading and discussion of research papers. Students further develop the ability to pose questions and design experiments to answer them through writing a research proposal. Topics to be covered include: regulation of lineage specification/commitment and antigen receptor gene recombination; mechanisms of immunological tolerance and lymphocyte activation, cellular transactions and their consequences (e.g., APC:T cell); and immune responses in infectious diseases.

**Prerequisites:** GSBS Core Courses and BBS755, Infection and Immune Response (or their equivalent)

**Credits:** 3 | **Grading:** Letter

**Associated Program(s):** Immunology & Microbiology

**Course Director:** Kang, Joonsoo

**Course Director email:** Joonsoo.Kang@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:** Paulson, Jill

**Course Administrator email:** jill.paulson@umassmed.edu

**Class Meeting Information:** Tuesdays & Thursdays 10a-11:30a

**Class Meeting Location:** AS9-1044

**Required Textbooks:** None

**Recommended Textbooks:** None

**Additional notes:**

## BBS 822 - Advanced Animal Virology

Class #: 4077

This is a paper reading-based course discussing in depth new findings in animal virology, including viral biochemistry and molecular biology, genetics, oncogenesis, and pathogenesis. The course will be team-taught by UMMS faculty. The course will begin with introductory lectures to provide background for more advanced readings. Students will then cover different specific areas chosen by the professors in detail with paper readings. At the end of the course the students will write a research proposal and present it to the class and faculty. Course can be taken for three credits with proposal and presentation or for two credits without proposal.

**Prerequisites:** BBS755, Infection and Immune Response, or their equivalent

**Credits:** 3 | **Grading:** Letter

**Associated Program(s):** Immunology & Microbiology

**Course Director:** Morrison, Trudy

**Course Director email:** trudy.morrison@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Tuesdays & Thursdays 2pm-3pm

**Class Meeting Location:** TBD

**Required Textbooks:** None

**Recommended Textbooks:** None

**Additional notes:**

## BBS 823 - Advanced Bacterial Pathogenesis

Class #: 4078

This course introduces students to cutting-edge topics in bacterial pathogenesis in a class format designed to encourage both critical analysis and concentration on experimental design, which will aid students in preparation for qualifying exams. The course meets once per week for 2.5-3 hours. Depending on class size and on a rotating basis, groups of two or three students lead discussions of selected topics. Presenting students are required to prepare written reviews to focus the discussion. The bulk of class time is devoted to open discussion and critical analysis of the literature, and constructive criticism of student reviews. Each student develops and presents a research proposal on one of the topics discussed. Students taking the course for 2 credits will not be required to prepare the research proposal and research plans. Grading is based on written reviews, quality of presentations, and class participation (all students) and on the quality of the research outline (students taking the class for 3 credits).

**Prerequisites:** GSBS Core Courses, BBS755, Infection and Immune Response, or permission from course coordinator

**Credits:** Variable | **Grading:** Letter

**Associated Program(s):** Immunology & Microbiology

**Course Director:** Irazoqui, Javier

**Course Director email:** Javier.Irazoqui@umassmed.edu

**Co-Course Director:** McCormick, Beth

**Co-Course Director email:** Beth.McCormick@umassmed.edu

**Course Administrator:** Barry, Cheryl

**Course Administrator email:** Cheryl.Barry@umassmed.edu

**Class Meeting Information:** Wednesday 2pm-5pm

**Class Meeting Location:** AS8.1044

**Required Textbooks:** None

**Recommended Textbooks:** Bacterial Pathogenesis (Ed. Cossart and Maloy) 2014 CSHL Press ISBN 978-1-936113-36-1

Bacterial Pathogenesis: a Molecular Approach 3rd Ed (Wilson et al) 2011 ASM Press ISBN 978-1-55581-418-2

**Additional notes:**

## BBS 831 - Interprofessional Education in Clinical Neuroscience

Class #: 3371

GSBS students will participate in journal clubs with clinical residents and fellows, and participate in other clinically-focused activities typically outside the opportunities available to GSBS students.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Neuroscience

**Course Director:** Benjamin, Sheldon

**Course Director email:** Sheldon.Benjamin@umassmed.edu

**Co-Course Director:** Weaver, David

**Co-Course Director email:** david.weaver@umassmed.edu

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Mondays 12-1pm and Thursdays 2:30-3:30pm

**Class Meeting Location:** S4-325

**Required Textbooks:** Higgins, E.S., George, M.S. (2018). The Neuroscience of Clinical Psychiatry, 3rd Edition. Lippincott Williams and Wilkins. ISBN: 978-1496372000

**Recommended Textbooks:**

**Additional notes:**

## **BBS 833 - Immunology and Virology Graduate Student Seminars**

**Class #: 1013**

Advanced Immunology and Virology Program graduate students present seminars on their thesis research.

**Prerequisites:** BBS755, Infection and Immune Response

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Immunology & Microbiology

**Course Director:** Huseby, Eric

**Course Director email:** eric.huseby@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Thursdays 4pm-5pm

**Class Meeting Location:** AS8-2072

**Required Textbooks:** None

**Recommended Textbooks:** None

**Additional notes:**

## **BBS 838 - Communicating Neuroscience: Learning by Doing**

**Class #: 4079**

This course will demonstrate the major elements that distinguish a great presentation, and identify areas in which each student can improve their presentations through peer critiques and self-assessment. Importantly, this class will allow students many opportunities to see their skills improve throughout the course. Substitutes for Neuroscience Journal Club in meeting Neuroscience Program requirements.

**Prerequisites:** Students conducting research in the neuroscience field will have priority if maximum enrollment is reached, but the course is open to students from other Programs and areas of research on a space-available basis

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Immunology & Microbiology

**Course Director:** Weaver, David

**Course Director email:** David.Weaver@UMassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Wednesday 12pm-1pm

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:** It is likely that either BBS 808 or BBS 838 will be offered, or a hybrid of them, but not both.

## BBS 848 - Tutorial in Neuroscience

Class #: 1011

Tutorials offer the opportunity for one student or a small group of students to discuss research in a specific research area, or a series of selected papers, with one or more faculty members. The small group format allows extensive discussion and interaction. This course number allows faculty and students the flexibility to develop a syllabus of their making. The proposed syllabus must be approved by the Neuroscience Program director. Tutorials are arranged with individual faculty members. Students may re-enroll for multiple tutorials.

**Prerequisites:** Permission from Neuroscience Program Director

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Neuroscience

**Course Director:** Weaver, David

**Course Director email:** David.Weaver@UMassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Flexible scheduling available

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:** Expected effort for one credit is 15 contact hours

## BBS 850 - Laboratory Rotation

Class #: See class number list

Laboratory rotations are defined periods of research experience under the direction of a faculty member. They are intended to familiarize the student with concepts and techniques in several areas of research and to assist the student in evaluating research laboratories and projects that might be developed into a dissertation project. The student will participate in an ongoing research project; gain familiarity with concepts underlying the research; acquire a working knowledge of techniques used in the research; and write a report and present an oral summary of the results of the research.

**Prerequisites:** None

**Credits:** Variable | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** GSBS Full Faculty

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## **BBS 860 - BBS Qualifying Exam**

**Class #: GROUP REGISTERED**

Students are required to register for this course in the fall semester of the academic year in which they are to pass their Qualifying Examination.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Lane, Mary Ellen

**Course Director email:** maryellen.lane@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## **BBS 865 - BBS TRAC Meeting**

**Class #: GROUP REGISTERED**

All graduate students are required to have at least one Thesis Research Advisory Committee (TRAC) meeting each academic year. After passing their Qualifying Examination and selection of their TRAC, students are required to register for this course each fall semester until their Dissertation Advisory Committee is formed.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Lane, Mary Ellen

**Course Director email:** maryellen.lane@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## **BBS 870 - Prequalifying Research**

**Class #: See class number list**

This course is for students who have selected a program and thesis advisor but who have not yet passed the Qualifying Examination.

**Prerequisites:** None

**Credits:** 9 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Student's thesis advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## **BBS 900 - Thesis Research**

**Class #: AUTO REGISTERED**

Students register for Thesis Research fall term of year three of the program, after passing the Qualifying Exam.

**Prerequisites:** None

**Credits:** 12 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Student's thesis advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## **BBS 990 - Graduate Research**

**Class #: AUTO REGISTERED**

Students register for Graduate Research fall term of year four in the PhD Program and will continue to register each semester until they complete all remaining requirements.

**Prerequisites:** None

**Credits:** 0 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Basic & Biomedical Sciences

**Course Director:** Student's thesis advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## Clinical & Translational Science Courses

### CTS 602A - Advanced Epidemiology & Research Methods

Class #: 1011

Building on basic skills in epidemiology and scientific research methods, this two-semester course will cover research design, sampling, hypothesis development and testing. Students will develop skills in use of clinical and epidemiological databases and national health surveys. In addition, methodological strengths of various quantitative and qualitative techniques and designs will be explored. Students will have problem sets to complete, in addition to assignments to develop original research approaches to specific scientific and clinical questions.

**Prerequisites:** CTS605A or equivalent or permission from course coordinator

**Credits:** 3 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Jesdale, William

**Course Director email:** william.jesdale@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Tuesdays and Thursdays from 9am-10:30am

**Class Meeting Location:** AS6-2072

**Required Textbooks:** Rothman, K. J., Greenland, S., & Lash, T. L. (2008). Modern epidemiology. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins. 978-1-4511-9005-2.

**Recommended Textbooks:** None

**Additional notes:**

### CTS 603A - Generalized Linear Models

Class #: 3867

This course provides an overview of multivariable analysis and advanced analytical strategies for clinical and population health research. Emphasis is on developing an understanding of multivariable modeling in the context of linear, logistic and Poisson regression. Computational lab assignments and two exams will be completed.

**Prerequisites:** CTS605A, Introduction to Statistics or permission from course coordinator

**Credits:** 4 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Person, Sharina

**Course Director email:** sharina.person@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Tuesdays and Thursdays from 10:30am-12pm and Wednesdays from 3:30pm-4:30pm

**Class Meeting Location:** Tuesdays in AS6-2072, Wednesdays in AS7-2072, Thursdays in AS6-2072 or AS9-2072

**Required Textbooks:** Kleinbaum, D. G. (2008). Applied regression analysis and other multivariable methods. Belmont: Thomson Brooks Cole. ISBN-13: 978-0-495-38496-0

Kleinbaum, D. G., & Klein, M. (2010). Logistic regression: a self-learning text. New York: Springer. ISBN: 978-

**Recommended Textbooks:** Acock, A. C. (2010). A gentle introduction to stata. College Station, TX: Stata Press. ISBN: 978-1-4419-1741-6

**Additional notes:**

## CTS 605A - Introduction to Clinical and Translational Research

Class #: 3741

This course reviews basic principles of epidemiology, investigation of disease outbreaks and the application of various observational and experimental research designs and strategies to clinical, epidemiological and translational research. Didactic instruction, readings and problem sets (including lab-based analyses) are utilized to more fully understand epidemics and their causes, as well as various study designs, including cross-sectional studies, case-control studies, cohort designs and randomized clinical trials. Students also will learn how to design surveillance systems and develop and evaluate screening and diagnostic tests. Students are graded on in-class participation and two writing assignments (write-up of lab exercise and in-class student presentation). This is a full semester course with a total of 30 contact hours.

**Prerequisites:** None

**Credits:** 3 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Baek, Jonggyu

**Course Director email:** Jonggyu.Baek@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** 7/2/2019-7/31/2019, Tuesdays and Thursdays from 9am-3pm. Final exam on Wednesday 7/31.

**Class Meeting Location:** AS5-2072

**Required Textbooks:** Biostatistics Text:

D'Agostino R.B., Sullivan L.M., Belser A.S. Introductory Applied Biostatistics. Duxbury (Thomson Brooks/Cole), Belmont, CA. 2006. ISBN: 9780534423995

Epidemiology Text:

Gordis, Leon. Epidemiology. Fifth Edition. Saunders Elsevier Pub

**Recommended Textbooks:**

**Additional notes:** Eric Ding is the TA for this course. Eric.Ding@umassmed.edu`

This course teaches students how to develop a peer reviewed scientific manuscript, through the review of elements of style, authorship and extent of information that needs to be incorporated into a scientific research paper. Students will learn how to develop the elements that go into a successful scientific manuscript, submit an article for peer review and respond to reviewers' concerns. During each session, students will critique the work of others enrolled in the course to obtain hands on experience in the write-up of the introduction, methods, results and discussion sections of a manuscript. This course will also teach students how to put together a successful oral, as well as poster, scientific presentation.

**Prerequisites:** None

**Credits:** 3 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Goldberg, Robert

**Course Director email:** robert.goldberg@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Wednesdays from 9a-10a

**Class Meeting Location:** AS6-2069

**Required Textbooks:** Byrne, D. W. (1998). Publishing your medical research paper: What they dont teach in medical school. Baltimore: Williams & Wilkins. ISBN: 0-683-30074-1 Browner, W. S. (2006). Publishing and presenting clinical research. Philadelphia, PA: Lippincott Willia

**Recommended Textbooks:**

**Additional notes:**

## CTS 620 - Clinical & Translational Research Seminar

Class #: 4080

This course introduces Clinical Translational Research Pathway students in the optional elective in SOM to principles, theory, background and skills required for clinical and translational research. Seven required seminars plus attending a Human Subjects IRB meeting occur in MS1 and there are 6 additional contact hours and a paper required in MS2. Thus course requires participation in approximately 22 contact hours beyond medical school coursework, plus the 10-20 hour CITI certificate.

**Prerequisites:** successful completion of SOM Clinical Translational Research Pathway MS1 and MS2 requirements and admission to MSCI program

**Credits:** 2 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MS Clinical Investigation

**Course Director:** Kiefe, Catarina

**Course Director email:** [catarina.kiefe@umassmed.edu](mailto:catarina.kiefe@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Every other Thursday. Meets either from 12pm-1pm or 3:30pm-5pm. Speak with Robert Goldberg (CVD T32) or Nate Hafer (PiPSS) for further details.

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 702 - Ethics for Clinical Research

Class #: 3519

**Description:** This course is designed to provide students with a basic knowledge of ethics that will prepare them to understand and address problems in the ethical conduct of research involving human subjects, as well as understand and address scientific misconduct, including fraud, misrepresentation and conflict of interest. The course also addresses authorship guidelines, IRB regulations and UMass Medical School regulations. Students will also focus on how to design ethical research and evaluate treatment risk, placebo control, ethics of recruitment, dilemmas of informed consent, potential scientific contribution and issues for special populations and conducting research internationally.

**Prerequisites:** None

**Credits:** 2 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation MD/PhD

**Course Director:** Dube, Catherine

**Course Director email:** Catherine.Dube@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** 9/5/2019-12/5/2019 Thursdays from 2p-4p

**Class Meeting Location:** AS7-2072

**Required Textbooks:** Resnik, D. B. (1998). The ethics of science: An introduction. London: Routledge.

0-203-97906-0 (Free Online)

**Recommended Textbooks:** None

**Additional notes:** Class attendance is required so that case discussion can occur. Students who miss a class are required to provide a 1-2 page summary of class content from readings and PowerPoint slides.

## CTS 725 - Introduction to the U.S Health Care System: How Policies and Practice Affect Health

Class #: 4081

This course provides a research-based perspective on the U.S. health care system. Students will learn about U.S. health policy and research that underpins the structure, process and outcomes of our healthcare system, with a particular emphasis on how health care policies and payment practices impact the accessibility, effectiveness and cost of care.

**Prerequisites:** None, but an introductory-level understanding of inferential statistics and research design is helpful.

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Clark, Robin

**Course Director email:** robin.clark@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Wednesdays from 1p-3p

**Class Meeting Location:** AS6-2069

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 726 - Design and Conduct of Studies of Chronic Disease

Class #: 4082

The course will discuss fundamental concepts in chronic disease epidemiology; common research methods used in the design and conduct of studies of chronic disease epidemiology; and the application of these methods for the major chronic diseases affecting industrialized countries. Topics will include cardiovascular disease, cancer, cerebrovascular disease, diabetes and lifestyle practices to promote health.

**Prerequisites:** CTS605A or permission from instructor

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Epstein, Mara

**Course Director email:** mara.epstein@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Thursdays from 12-2pm

**Class Meeting Location:** AS6-1073

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 731 - Behavioral Determinants

Class #: 4118

The purpose of this class is to learn models of disease prevention; multilevel determinants of health behaviors; and major theories of health behavior change and their application to interventions to address major public health problems.

**Prerequisites:** None

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Rosal, Milagros

**Course Director email:** milagros.rosal@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Tuesdays 1-3pm in AS6-2069

**Class Meeting Location:** AS6-2069

**Required Textbooks:** None

**Recommended Textbooks:** None

**Additional notes:**

## CTS 734 - Place and Health

Class #: 4119

In this class, we will explore the influence of place on population health, including physical environment (e.g., air, water, soil, food), built environment (e.g., neighborhood structure, traffic, green space), social environment (e.g., cohesion, safety, deprivation, segregation), and legal and civic structure (e.g., policy, law, representation). We will also learn to implement (and critique) methodologic approaches that are particularly adapted to understanding how individuals and places interact, specifically multilevel thinking and modeling, and spatial analytic methods.

**Prerequisites:** CTS602A or equivalent

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Jesdale, William

**Course Director email:** william.jesdale@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Wednesdays 10a-12p

**Class Meeting Location:** AS6-1073

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 735 - Introduction to Implementation Science: Moving Research into Practice in Healthcare and Community Settings

Class #: 4120

This class provides an introduction to what is often referred to as translational, dissemination or implementation research, as well as the broad field of implementation science. Students will learn about the significance and major initiatives associated with moving research into practice, and will be introduced to conceptual and analytic tools (e.g., theories, frameworks) to support work in this area.

**Prerequisites:** None

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Hogan, Timothy

**Course Director email:** timothy.hogan@umassmed.edu

**Co-Course Director:** Houston, Thomas

**Co-Course Director email:** thomas.houston@umassmed.edu

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Tuesdays from 1pm-3pm

**Class Meeting Location:** AS8-2069

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 799 - Independent Study

Class #: See class number list

The purpose of an independent study elective is to gain in depth knowledge of a specific topic by working closely with a faculty member with expertise in that area. Typically independent studies cover areas not addressed in the core curriculum and advanced topics or other electives. However, the level of effort and objectives for an independent study must be equivalent to that of a regular three-credit course. The student and sponsoring faculty member must propose a framework and outcome for the independent study, in the semester prior to the semester in which the student will be enrolled, to the program director for prior approval.

**Prerequisites:** Permission of Associate Dean for CPHR & course coordinator.

**Credits:** 3 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Lapane, Kate

**Course Director email:** kate.lapane@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Individually arranged

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 802 - Journal Club

Class #: 4121

This journal club provides a forum in which students will discuss current articles in the peer reviewed literature and will be introduced to advanced epidemiologic and analytic methods. Through readings, presentations and discussion, students will deepen their understanding of methods critical for clinical investigation and strengthen their data presentation and writing skills.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Goldberg, Robert

**Course Director email:** robert.goldberg@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Wednesdays from 12p-1p

**Class Meeting Location:** AS6-2071

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 850 - Research Assistantship

**Class #: See class number list**

Research rotations are defined periods of research experience under the direction of a faculty member. They are intended to familiarize the student with the theory, background, concepts and techniques in several areas of research and to assist the student in evaluating projects and areas that might be developed into a dissertation project. The student will participate in an ongoing research project; gain familiarity with a field of study; acquire a working knowledge of techniques used in the research; and write a report and make an oral presentation on the results of their work.

**Prerequisites:** None

**Credits:** 4 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research

**Course Director:** Student's advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 855 - Research Seminar

**Class #: 4122**

This is an ongoing seminar series which meets on a monthly basis throughout the academic year that will be led by individual senior scientists who will discuss their clinical, public health and translational science research. This seminar series will provide trainees with exposure to a wide variety of potential research mentors as well as topic areas to further explore for their thesis research and beyond.

**Prerequisites:**

**Credits:** 0 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Goldberg, Robert

**Course Director email:** robert.goldberg@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** 2nd Tuesday of each month from 12pm-1pm

**Class Meeting Location:** AS9-2072

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 860A - Written Qualifying Exam

Class #: 3865

This course number is used for students sitting for the written qualifying exam—an evaluation milestone typically conducted in Spring of their second year of graduate study.

**Prerequisites:**

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research

**Course Director:** Lapane, Kate

**Course Director email:** kate.lapane@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 860B - Oral Qualifying Exam

Class #: 4123

This course number is used for students who will defend their dissertation proposal. Students should register for this either in the Spring or Summer of their second year of graduate studies.

**Prerequisites:**

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research

**Course Director:** Lapane, Kate

**Course Director email:** kate.lapane@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 865 - CTS TRAC Meeting

Class #: 3529

All graduate students are required to have a TRAC meeting each academic year in the Fall. After passing their Qualifying Exam in January of the second year, and the Thesis Proposal Defense in the Spring or Summer of second year, students are required to register for this course each Fall semester until their Dissertation Examination Committee is formed.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Lapane, Kate

**Course Director email:** kate.lapane@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:** robert.goldberg@umassmed.edu

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 870 - Pre-Thesis Research

Class #: See class number list

This course is for students who have selected a program and thesis advisor but who have not yet passed their Qualifying Examination.

**Prerequisites:** None

**Credits:** Variable | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Student's thesis advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 900 - Thesis Research

**Class #: AUTO REGISTERED**

Students register for Thesis Research after passing a Qualifying Examination. They will take Thesis Research each semester until they have accumulated 90 credits.

**Prerequisites:** None

**Credits:** Variable | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Student's thesis advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CTS 990 - Graduate Research

**Class #: AUTO REGISTERED**

Students register for Graduate Research after completing the requisite number of credits to meet graduation requirements. They will take this course each semester until they complete all remaining requirements.

**Prerequisites:** None

**Credits:** 0 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** Clinical & Population Health Research MS Clinical Investigation

**Course Director:** Student's thesis advisor

**Course Director email:** N/A

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## Health Sciences Preparatory Program Courses

### HSP 500 - Building Working Cells and Tissues

Class #: 3913

The goals of the course are to: integrate key principles of biochemistry, physiology, and cell and tissue histology; advance understanding of molecular structures, interactions and processes that promote and regulate cellular function; provide students with foundational material for understanding organ structure, physiology and disease states to be covered in subsequent courses.

**Prerequisites:** None

**Credits:** 5 | **Grading:** Letter

**Associated Program(s):** Health Sciences Preparatory Program

**Course Director:** Royer, William

**Course Director email:** william.royer@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:** Ferrier, D. R., & Harvey, R. A. (2014). Lippincotts illustrated reviews: Biochemistry. Philadelphia: Wolters Kluwer Health. ISBN: 978-1608314126

**Recommended Textbooks:**

**Additional notes:**

### HSP 502A - Medical Physiology, Histology, and Embryology Part A

Class #: 3917

The goals of the course are to provide: a study of basic human physiology, which is the biological study of the functions of living organisms and their parts; a study of the microscopic anatomy of the cellular organization and structure of individual tissues and organ systems; a study of early human development and the developmental processes that establish the individual organ systems during fetal life

**Prerequisites:** None

**Credits:** 5 | **Grading:** Letter

**Associated Program(s):** Health Sciences Preparatory Program

**Course Director:** Das, Manas

**Course Director email:** Manas.Das@umassmed.edu

**Co-Course Director:** Sweeney, Michael

**Co-Course Director email:** Michael.Sweeney@umassmed.edu

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:** Koeppen, B. M., & Stanton, B. A. (2018). Berne & Levy physiology (7th edition). Philadelphia, PA: Elsevier. ISBN: 9780323393942

Ross, M. H., & Pawlina, W. (2020). Histology: A text and atlas: With correlated cell and molecular biology. Philadelphia: Wolte

**Additional notes:**

## HSP 504A - Academic Achievement Part A

Class #: 3915

This course includes the following three elements:

**Academic Coaching:** Sessions with education specialist and student mentors (three hours contact/wk – can be in small groups and one-on-one sessions based on students' needs) to evaluate individual learning styles, adapt/develop study skills, test prep, exam review, error analysis, time management;

**Group study sessions:** (two hours/wk) – one hour student group discussion/preparation; one hour with course-specific faculty, alternating weekly;

**HSPP advisor meetings:** (30 minutes/wk) - individual (one per month) and group meeting (one per month) with HSPP advisors. Specific activity includes rewrite of application/personal statement.

**Prerequisites:**

**Credits:** 2 | **Grading:** Letter

**Associated Program(s):** Health Sciences Preparatory Program

**Course Director:** Hines, Deborah Harmon

**Co-Course Director:** Knight, Kendall

**Course Administrator:**

**Course Director email:** deborah-harmon.hines@umassmed.edu

**Co-Course Director email:** kendall.knight@umassmed.edu

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## MD/PhD Program Courses

### MDP 741 - Introduction to Translational Medicine

Class #: GROUP REGISTERED

**Course Goals:** The MD/PhD program stresses the importance of clinical involvement throughout the graduate years. The first goal of this course is to provide students with a continuous link to clinical skills and to familiarize students with different clinical settings. Sessions should reinforce clinical skills learned from the first two years of the medical curriculum plus the 16 weeks of clerkship in Care of Family and Care of Adults prior to research studies. The second goal is to introduce clinicians and potential mentors to the MD/PhD students. The third goal of this section of the course is to ease the transition back to the clinical years of medical school. Students are encouraged to work with physician scientists that will help them to get hands-on experience with the day-to-day work of physician scientists.

**Prerequisites:** Open only to MD/PhD Students in PhD Portion of Degree

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Corvera, Silvia

**Course Director email:** [silvia.corvera@umassmed.edu](mailto:silvia.corvera@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

### MDP 742 - MD/PhD HIPAA and OSHA Certification

Class #: `

Certification module of HIPAA and OSHA that students enrolled in the PhD portion of the program are required to maintain annually (within the first two weeks of GSBS Fall semester) each year. This is an online WebCt class which can be accessed by each MD/PhD student registered for this course in PSSA. The scores will be monitored by the MD/PhD program administrator during the student's PhD years.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Michelson, Anne

**Course Director email:** [anne.michelson@umassmed.edu](mailto:anne.michelson@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:** None

**Recommended Textbooks:** None

**Additional notes:**

## MDP 744 - MD/PhD Learning Communities

**Class #: GROUP REGISTERED**

Provides information about School of Medicine Learning Communities (LC) including house member lists, mentor-mentee assignments, LC student leadership, career planning resources, information for planning clerkships and more. This is important for all the MD/PhD students during both the School of Medicine and GSBS years.

**Prerequisites:** None

**Credits:** 0 | **Grading:** Not graded

**Associated Program(s):** MD/PhD

**Course Director:** SCorvera, Silvia

**Course Director email:** [silvia.corvera@umassmed.edu](mailto:silvia.corvera@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## MDP 800 - MD/PhD Seminar

**Class #: GROUP REGISTERED**

This seminar series is a semi-monthly event, organized by the MD/PhD students, and participation is required for all years in the program. The seminar assists students in developing communications competency through these presentations. Each session, two upper level graduate students present their research project. A moderator will maintain the 20 minute timeframe and facilitate the discussion.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Michelson, Anne

**Course Director email:** [anne.michelson@umassmed.edu](mailto:anne.michelson@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## MDP 990 - MD/PhD Graduate Research for Students Post-Dissertation

**Class #: GROUP REGISTERED**

Students enrolled in the MD/PHD Program who have completed their requirements for the PhD degree will register for this GSBS course each semester while completing their School of Medicine requirements. Students enrolled in this course will participate in and assist with the teaching/evaluation of the MDP Seminar course (MDP800). This course is the MD/PhD equivalent of the GSBS course - GR900, Graduate Research. All students must be in good standing in the MD/PhD program to pass.

**Prerequisites:** Completion of all the PhD requirements in the Graduate School of Biomedical Sciences.

**Credits:** 0 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Michelson, Anne

**Course Director email:** anne.michelson@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:**

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## MDP 740A - Developing Solutions To Research Problems A - Year One

**Class #: GROUP REGISTERED**

**Course Goals:** The goal for the course is to engage MD-PhD students in the critical thinking skills required to perform biomedical research, in a manner that enables their intellectual contribution to the University's academic and research functions. The course will examine specific questions of relevance in medicine, and explore how these questions are addressed from multiple scientific perspectives, (e.g., epidemiological, population based, animal model research, cellular and molecular mechanisms). The course will be mostly based on critical analysis of primary literature. Faculty will provide brief background material in the form of lectures, to enable analysis of the primary research papers. Students will discuss papers in small teams and within the whole group. Each section will culminate with the presentation by students of an original research proposal on the specific question being studied.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Corvera, Silvia

**Course Director email:** silvia.corvera@umassmed.edu

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## MDP 740B - Developing Solutions To Research Problems B - Year Two

**Class #: See class number list**

**Course Goals:** The goal for the course is to expose MD/PhD students to areas of basic and translational research, and to the knowledge and skills necessary to conduct research in these areas in a manner that enables their intellectual contribution to the University's academic and research functions. To meet this goal, the student will work directly with a selected member of the research faculty for a minimum of one hour per week over the course of the semester (15 hours total). The focus and experimental methodologies of the investigators research will be explored in-depth through analysis of the primary literature and participation in individual and/or group discussion.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Corvera, Silvia

**Course Director email:** [silvia.corvera@umassmed.edu](mailto:silvia.corvera@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## MDP 740C - Developing Solutions To Research Problems C - Year Three

**Class #: GROUP REGISTERED**

**Course Goals:** The goal for the course is to expose MD-PhD students to areas of basic and translational research, and to the knowledge skills necessary to conduct research in these areas in a manner that enables their intellectual contribution to the University's academic and research functions. To meet this goal, the student will work directly with a selected member of the research faculty, which can include but is not limited to their PhD thesis mentor, for a minimum of one hour per week over the course of the semester (15 hours total). They will discuss experimental strategies to address questions of basic, clinical, and/or translation importance. These can include, but are not limited to, work that advances the student's personal research toward publication or presentation.

**Prerequisites:** None

**Credits:** 1 | **Grading:** Pass/Marginal Pass/Fail

**Associated Program(s):** MD/PhD

**Course Director:** Corvera, Silvia

**Course Director email:** [silvia.corvera@umassmed.edu](mailto:silvia.corvera@umassmed.edu)

**Co-Course Director:**

**Co-Course Director email:**

**Course Administrator:**

**Course Administrator email:**

**Class Meeting Information:** Please contact course director for details

**Class Meeting Location:**

**Required Textbooks:**

**Recommended Textbooks:**

**Additional notes:**

## CLASS NUMBERS FOR REGISTRATION

### Basic & Biomedical Sciences Non-Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2063	BBS	601	1	Professionalism & Res. Conduct	Imbalzano	Anthony
3349	BBS	602	1	Preparation Qualifying Exam	Lane	Mary
3203	BBS	603	1	Resp.Conduct Res. Post Doc.Sch	Imbalzano	Anthony
3149	BBS	614	1	Foundations in Biomedical Scie	Zitzewitz	Jill
4074	BBS	706	1	Imperial Intro.Statis.Modelin	Garber	Manuel
4075	BBS	715	1	Chemical Biology	Miller	Stephen
2319	BBS	748	ERL	Intro.to Cellular Metab. & Dis	Lewis	Brian
3411	BBS	782	1	Bases of Brain Disease	Punzo	Claudio
1007	BBS	801	1	RNA Biology Journal Club	Ambros	Victor
3351	BBS	808	1	Journal Club in Neuroscience	Weaver	David
1009	BBS	810	1	Grad. Student Seminar Series	Kobertz	William
2117	BBS	821	1	Molecul & Cellular Immunology	Kang	Joonsoo
4077	BBS	822	1	Advanced Animal Virology	Morrison	Trudy
4078	BBS	823	1	Adv Bacterial Pathogenesis	IRAZOQUI	Javier Elbio
3371	BBS	831	1	Interprof. Edu. in Clin. Neuro	Benjamin	Sheldon
1013	BBS	833	1	IVR Graduate Student Seminars	Huseby	Eric
4079	BBS	838	1	Communicating Neuroscience	Weaver	David
1011	BBS	848	1	Tutorial in Neuroscience	Weaver	David
2031	BBS	860	1	BBS Qualifying Exam	Lane	Mary
2061	BBS	865	1	BBS TRAC Meeting	Lane	Mary

### Basic & Biomedical Sciences Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2249	BBS	850	ERL	Laboratory Rotation	Alkema	Mark
2343	BBS	850	L1	Laboratory Rotation	Alkema	Mark
2703	BBS	850	L2	Laboratory Rotation	Alkema	Mark
2577	BBS	850	L1	Laboratory Rotation	Allison	Jeroan

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2939	BBS	850	L2	Laboratory Rotation	Allison	Jeroan
2269	BBS	850	ERL	Laboratory Rotation	Alonso	Laura
2663	BBS	850	L1	Laboratory Rotation	Alonso	Laura
3027	BBS	850	L2	Laboratory Rotation	Alonso	Laura
2205	BBS	850	ERL	Laboratory Rotation	Ambros	Victor
2345	BBS	850	L1	Laboratory Rotation	Ambros	Victor
2705	BBS	850	L2	Laboratory Rotation	Ambros	Victor
3227	BBS	850	ERL	Laboratory Rotation	ANACLET	Christelle
3243	BBS	850	L1	Laboratory Rotation	ANACLET	Christelle
3249	BBS	850	L2	Laboratory Rotation	ANACLET	Christelle
2347	BBS	850	L1	Laboratory Rotation	ANDERSON	Frederick Arthur
2707	BBS	850	L2	Laboratory Rotation	ANDERSON	Frederick Arthur
2339	BBS	850	ERL	Laboratory Rotation	Aroian	Raffi
2695	BBS	850	L1	Laboratory Rotation	Aroian	Raffi
3057	BBS	850	L2	Laboratory Rotation	Aroian	Raffi
2159	BBS	850	ERL	Laboratory Rotation	Aronin	Neil
2349	BBS	850	L1	Laboratory Rotation	Aronin	Neil
2709	BBS	850	L2	Laboratory Rotation	Aronin	Neil
3225	BBS	850	ERL	Laboratory Rotation	Ash	Arlene
3503	BBS	850	L1	Laboratory Rotation	Bach	Ingolf
3505	BBS	850	L2	Laboratory Rotation	Bach	Ingolf
2161	BBS	850	ERL	Laboratory Rotation	Baehrecke	Eric
2351	BBS	850	L1	Laboratory Rotation	Baehrecke	Eric
2711	BBS	850	L2	Laboratory Rotation	Baehrecke	Eric
2135	BBS	850	ERL	Laboratory Rotation	Bailey	Jeffrey
2591	BBS	850	L1	Laboratory Rotation	Bailey	Jeffrey
2953	BBS	850	L2	Laboratory Rotation	Bailey	Jeffrey
2263	BBS	850	ERL	Laboratory Rotation	Behar	Samuel
2653	BBS	850	L1	Laboratory Rotation	Behar	Samuel
3017	BBS	850	L2	Laboratory Rotation	Behar	Samuel

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2277	BBS	850	ERL	Laboratory Rotation	Benanti	Jennifer
2611	BBS	850	L1	Laboratory Rotation	Benanti	Jennifer
2975	BBS	850	L2	Laboratory Rotation	Benanti	Jennifer
2137	BBS	850	ERL	Laboratory Rotation	Benard	Claire
2573	BBS	850	L1	Laboratory Rotation	Benard	Claire
2935	BBS	850	L2	Laboratory Rotation	Benard	Claire
2163	BBS	850	ERL	Laboratory Rotation	Berg	Leslie
2353	BBS	850	L1	Laboratory Rotation	Berg	Leslie
2713	BBS	850	L2	Laboratory Rotation	Berg	Leslie
2235	BBS	850	ERL	Laboratory Rotation	Bergmann	Andreas
2641	BBS	850	L1	Laboratory Rotation	Bergmann	Andreas
3003	BBS	850	L2	Laboratory Rotation	Bergmann	Andreas
2715	BBS	850	L2	Laboratory Rotation	Bogdanov	Alexei
4112	BBS	850	ERL	Laboratory Rotation	Bogunovic	Milena
4110	BBS	850	L1	Laboratory Rotation	Bogunovic	Milena
4111	BBS	850	L2	Laboratory Rotation	Bogunovic	Milena
2355	BBS	850	L1	Laboratory Rotation	Bolon	Daniel
2717	BBS	850	L2	Laboratory Rotation	Bolon	Daniel
2279	BBS	850	ERL	Laboratory Rotation	Bosco	Daryl
2561	BBS	850	L1	Laboratory Rotation	Bosco	Daryl
2923	BBS	850	L2	Laboratory Rotation	Bosco	Daryl
2139	BBS	850	ERL	Laboratory Rotation	Boyer	Edward
2593	BBS	850	L1	Laboratory Rotation	Boyer	Edward
2955	BBS	850	L2	Laboratory Rotation	Boyer	Edward
2265	BBS	850	ERL	Laboratory Rotation	Brass	Abraham
2655	BBS	850	L1	Laboratory Rotation	Brass	Abraham
3019	BBS	850	L2	Laboratory Rotation	Brass	Abraham
2141	BBS	850	ERL	Laboratory Rotation	Brehm	Michael
2595	BBS	850	L1	Laboratory Rotation	Brehm	Michael
2957	BBS	850	L2	Laboratory Rotation	Brehm	Michael

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2313	BBS	850	ERL	Laboratory Rotation	Brewer	Judson
2681	BBS	850	L1	Laboratory Rotation	Brewer	Judson
3041	BBS	850	L2	Laboratory Rotation	Brewer	Judson
3107	BBS	850	ERL	Laboratory Rotation	Brewster	Robert
3113	BBS	850	L1	Laboratory Rotation	Brewster	Robert
3119	BBS	850	L2	Laboratory Rotation	Brewster	Robert
2565	BBS	850	L1	Laboratory Rotation	Brown	Robert
2927	BBS	850	L2	Laboratory Rotation	Brown	Robert
2165	BBS	850	ERL	Laboratory Rotation	Budnik	Vivian
2357	BBS	850	L1	Laboratory Rotation	Budnik	Vivian
2719	BBS	850	L2	Laboratory Rotation	Budnik	Vivian
3353	BBS	850	ERL	Laboratory Rotation	BYRNE	Alexandra Catherine
3237	BBS	850	L1	Laboratory Rotation	BYRNE	Alexandra Catherine
3253	BBS	850	L2	Laboratory Rotation	BYRNE	Alexandra Catherine
2131	BBS	850	ERL	Laboratory Rotation	Cantor	Sharon
2359	BBS	850	L1	Laboratory Rotation	Cantor	Sharon
2721	BBS	850	L2	Laboratory Rotation	Cantor	Sharon
2361	BBS	850	L1	Laboratory Rotation	Carruthers	Anthony
2723	BBS	850	L2	Laboratory Rotation	Carruthers	Anthony
2125	BBS	850	ERL	Laboratory Rotation	Castilla	Lucio
2363	BBS	850	L1	Laboratory Rotation	Castilla	Lucio
2725	BBS	850	L2	Laboratory Rotation	Castilla	Lucio
3109	BBS	850	ERL	Laboratory Rotation	Cavacini	Lisa
3115	BBS	850	L1	Laboratory Rotation	Cavacini	Lisa
3121	BBS	850	L2	Laboratory Rotation	Cavacini	Lisa
2143	BBS	850	ERL	Laboratory Rotation	Ceol	Craig
2597	BBS	850	L1	Laboratory Rotation	Ceol	Craig
2959	BBS	850	L2	Laboratory Rotation	Ceol	Craig
2365	BBS	850	L1	Laboratory Rotation	CHAN	Francis Ka Ming
2727	BBS	850	L2	Laboratory Rotation	CHAN	Francis Ka Ming

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2367	BBS	850	L1	Laboratory Rotation	Clapham	Paul
2729	BBS	850	L2	Laboratory Rotation	Clapham	Paul
2369	BBS	850	L1	Laboratory Rotation	Clark	Robin
2731	BBS	850	L2	Laboratory Rotation	Clark	Robin
2297	BBS	850	ERL	Laboratory Rotation	Cooper	Marcus
2579	BBS	850	L1	Laboratory Rotation	Cooper	Marcus
2941	BBS	850	L2	Laboratory Rotation	Cooper	Marcus
3431	BBS	850	ERL	Laboratory Rotation	Corvera	Silvia
2371	BBS	850	L1	Laboratory Rotation	Corvera	Silvia
2733	BBS	850	L2	Laboratory Rotation	Corvera	Silvia
2167	BBS	850	ERL	Laboratory Rotation	CZECH	Michael Paul
2373	BBS	850	L1	Laboratory Rotation	CZECH	Michael Paul
2735	BBS	850	L2	Laboratory Rotation	CZECH	Michael Paul
2375	BBS	850	L1	Laboratory Rotation	Davis	Roger
2737	BBS	850	L2	Laboratory Rotation	Davis	Roger
3433	BBS	850	ERL	Laboratory Rotation	Dekker	Job
2377	BBS	850	L1	Laboratory Rotation	Dekker	Job
2739	BBS	850	L2	Laboratory Rotation	Dekker	Job
3435	BBS	850	ERL	Laboratory Rotation	Donahue	John
3443	BBS	850	L1	Laboratory Rotation	Donahue	John
3447	BBS	850	L2	Laboratory Rotation	Donahue	John
2379	BBS	850	L1	Laboratory Rotation	Doxsey	Stephen
2741	BBS	850	L2	Laboratory Rotation	Doxsey	Stephen
2381	BBS	850	L1	Laboratory Rotation	EMERY	Patrick
2743	BBS	850	L2	Laboratory Rotation	EMERY	Patrick
2281	BBS	850	ERL	Laboratory Rotation	Fazzio	Thomas
2613	BBS	850	L1	Laboratory Rotation	Fazzio	Thomas
2973	BBS	850	L2	Laboratory Rotation	Fazzio	Thomas
2251	BBS	850	ERL	Laboratory Rotation	Finberg	Robert
2383	BBS	850	L1	Laboratory Rotation	Finberg	Robert

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2745	BBS	850	L2	Laboratory Rotation	Finberg	Robert
3465	BBS	850	ERL	Laboratory Rotation	Fitzgerald	Katherine
2385	BBS	850	L1	Laboratory Rotation	Fitzgerald	Katherine
2747	BBS	850	L2	Laboratory Rotation	Fitzgerald	Katherine
4128	BBS	850	ERL	Laboratory Rotation	FITZGERALD	Thomas
2387	BBS	850	L1	Laboratory Rotation	Flotte	Terence
2749	BBS	850	L2	Laboratory Rotation	Flotte	Terence
2389	BBS	850	L1	Laboratory Rotation	Francis	Michael
2751	BBS	850	L2	Laboratory Rotation	Francis	Michael
2231	BBS	850	ERL	Laboratory Rotation	FREEDMAN	Jane
2635	BBS	850	L1	Laboratory Rotation	FREEDMAN	Jane
2997	BBS	850	L2	Laboratory Rotation	FREEDMAN	Jane
2391	BBS	850	L1	Laboratory Rotation	Freeman	Marc
2753	BBS	850	L2	Laboratory Rotation	Freeman	Marc
2211	BBS	850	ERL	Laboratory Rotation	Futai	Kensuke
2617	BBS	850	L1	Laboratory Rotation	Futai	Kensuke
2981	BBS	850	L2	Laboratory Rotation	Futai	Kensuke
2145	BBS	850	ERL	Laboratory Rotation	Gao	Fen-Biao
2599	BBS	850	L1	Laboratory Rotation	Gao	Fen-Biao
2961	BBS	850	L2	Laboratory Rotation	Gao	Fen-Biao
2321	BBS	850	ERL	Laboratory Rotation	Gao	Guangping
2395	BBS	850	L1	Laboratory Rotation	Gao	Guangping
2757	BBS	850	L2	Laboratory Rotation	Gao	Guangping
2275	BBS	850	ERL	Laboratory Rotation	Garber	Manuel
2661	BBS	850	L1	Laboratory Rotation	Garber	Manuel
3025	BBS	850	L2	Laboratory Rotation	Garber	Manuel
2393	BBS	850	L1	Laboratory Rotation	Gardner	Paul
2755	BBS	850	L2	Laboratory Rotation	Gardner	Paul
2615	BBS	850	L1	Laboratory Rotation	Goguen	Jon
2977	BBS	850	L2	Laboratory Rotation	Goguen	Jon

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3463	BBS	850	ERL	Laboratory Rotation	GOLDBERG	Robert Joel
2397	BBS	850	L1	Laboratory Rotation	GOLDBERG	Robert Joel
2759	BBS	850	L2	Laboratory Rotation	GOLDBERG	Robert Joel
2399	BBS	850	L1	Laboratory Rotation	Golenbock	Douglas
2761	BBS	850	L2	Laboratory Rotation	Golenbock	Douglas
2401	BBS	850	L1	Laboratory Rotation	Gottlinger	Heinrich
2763	BBS	850	L2	Laboratory Rotation	Gottlinger	Heinrich
2403	BBS	850	L1	Laboratory Rotation	Gravallese	Ellen
2765	BBS	850	L2	Laboratory Rotation	Gravallese	Ellen
2123	BBS	850	ERL	Laboratory Rotation	Green	Michael
2405	BBS	850	L1	Laboratory Rotation	Green	Michael
2767	BBS	850	L2	Laboratory Rotation	Green	Michael
3377	BBS	850	ERL	Laboratory Rotation	GREER	Paul Lieberman
3373	BBS	850	L1	Laboratory Rotation	GREER	Paul Lieberman
3375	BBS	850	L2	Laboratory Rotation	GREER	Paul Lieberman
2311	BBS	850	ERL	Laboratory Rotation	Greiner	Dale
2407	BBS	850	L1	Laboratory Rotation	Greiner	Dale
2769	BBS	850	L2	Laboratory Rotation	Greiner	Dale
2659	BBS	850	L1	Laboratory Rotation	Grunwald	David
3023	BBS	850	L2	Laboratory Rotation	Grunwald	David
2169	BBS	850	ERL	Laboratory Rotation	Guertin	David
2583	BBS	850	L1	Laboratory Rotation	Guertin	David
2945	BBS	850	L2	Laboratory Rotation	Guertin	David
2221	BBS	850	ERL	Laboratory Rotation	Han	Gang
2619	BBS	850	L1	Laboratory Rotation	Han	Gang
2979	BBS	850	L2	Laboratory Rotation	Han	Gang
2219	BBS	850	ERL	Laboratory Rotation	Harris	John
2621	BBS	850	L1	Laboratory Rotation	Harris	John
2983	BBS	850	L2	Laboratory Rotation	Harris	John
3207	BBS	850	ERL	Laboratory Rotation	Haynes	Cole

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3209	BBS	850	L1	Laboratory Rotation	Haynes	Cole
3211	BBS	850	L2	Laboratory Rotation	Haynes	Cole
2305	BBS	850	ERL	Laboratory Rotation	Hayward	Lawrence
3395	BBS	850	L1	Laboratory Rotation	Hayward	Lawrence
2771	BBS	850	L2	Laboratory Rotation	Hayward	Lawrence
4085	BBS	850	ERL	Laboratory Rotation	Henninger	Nils
4087	BBS	850	L1	Laboratory Rotation	Henninger	Nils
4089	BBS	850	L2	Laboratory Rotation	Henninger	Nils
2685	BBS	850	L1	Laboratory Rotation	Houghton	Jeanmarie
3045	BBS	850	L2	Laboratory Rotation	Houghton	Jeanmarie
2301	BBS	850	ERL	Laboratory Rotation	Huh	Jun
2679	BBS	850	L1	Laboratory Rotation	Huh	Jun
3039	BBS	850	L2	Laboratory Rotation	Huh	Jun
2171	BBS	850	ERL	Laboratory Rotation	Huseby	Eric
2409	BBS	850	L1	Laboratory Rotation	Huseby	Eric
2773	BBS	850	L2	Laboratory Rotation	Huseby	Eric
2283	BBS	850	ERL	Laboratory Rotation	Imbalzano	Anthony
2411	BBS	850	L1	Laboratory Rotation	Imbalzano	Anthony
2775	BBS	850	L2	Laboratory Rotation	Imbalzano	Anthony
2413	BBS	850	L1	Laboratory Rotation	Ip	Yicktung
2777	BBS	850	L2	Laboratory Rotation	Ip	Yicktung
3229	BBS	850	ERL	Laboratory Rotation	IRAZOQUI	Javier Elbio
3245	BBS	850	L1	Laboratory Rotation	IRAZOQUI	Javier Elbio
3251	BBS	850	L2	Laboratory Rotation	IRAZOQUI	Javier Elbio
2415	BBS	850	L1	Laboratory Rotation	Jacobson	Allan
2779	BBS	850	L2	Laboratory Rotation	Jacobson	Allan
4086	BBS	850	ERL	Laboratory Rotation	JOHNSON	Mark Damone
4088	BBS	850	L1	Laboratory Rotation	JOHNSON	Mark Damone
4090	BBS	850	L2	Laboratory Rotation	JOHNSON	Mark Damone
2289	BBS	850	ERL	Laboratory Rotation	Jones	Peter

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2667	BBS	850	L1	Laboratory Rotation	Jones	Peter
3031	BBS	850	L2	Laboratory Rotation	Jones	Peter
2173	BBS	850	ERL	Laboratory Rotation	Jones	Stephen
2417	BBS	850	L1	Laboratory Rotation	Jones	Stephen
2419	BBS	850	L1	Laboratory Rotation	Kang	Joonsoo
2781	BBS	850	L2	Laboratory Rotation	Kang	Joonsoo
2341	BBS	850	ERL	Laboratory Rotation	Karlsson	Elinor
2697	BBS	850	L1	Laboratory Rotation	Karlsson	Elinor
3059	BBS	850	L2	Laboratory Rotation	Karlsson	Elinor
2421	BBS	850	L1	Laboratory Rotation	Kaufman	Paul
2783	BBS	850	L2	Laboratory Rotation	Kaufman	Paul
2147	BBS	850	ERL	Laboratory Rotation	Keaney	John
2601	BBS	850	L1	Laboratory Rotation	Keaney	John
2963	BBS	850	L2	Laboratory Rotation	Keaney	John
2267	BBS	850	ERL	Laboratory Rotation	Kelch	Brian
2657	BBS	850	L1	Laboratory Rotation	Kelch	Brian
3021	BBS	850	L2	Laboratory Rotation	Kelch	Brian
2271	BBS	850	ERL	Laboratory Rotation	Kelliher	Michelle
2423	BBS	850	L1	Laboratory Rotation	Kelliher	Michelle
2785	BBS	850	L2	Laboratory Rotation	Kelliher	Michelle
2215	BBS	850	ERL	Laboratory Rotation	Kennedy	David
2623	BBS	850	L1	Laboratory Rotation	Kennedy	David
2985	BBS	850	L2	Laboratory Rotation	Kennedy	David
2223	BBS	850	ERL	Laboratory Rotation	Khanna	Hemant
2625	BBS	850	L1	Laboratory Rotation	Khanna	Hemant
2987	BBS	850	L2	Laboratory Rotation	Khanna	Hemant
2295	BBS	850	ERL	Laboratory Rotation	Khvorova	Anastasia
2675	BBS	850	L1	Laboratory Rotation	Khvorova	Anastasia
3035	BBS	850	L2	Laboratory Rotation	Khvorova	Anastasia
2285	BBS	850	ERL	Laboratory Rotation	Kiefe	Catarina

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2585	BBS	850	L1	Laboratory Rotation	Kiefe	Catarina
2947	BBS	850	L2	Laboratory Rotation	Kiefe	Catarina
3111	BBS	850	ERL	Laboratory Rotation	Kim	Dohoon
3117	BBS	850	L1	Laboratory Rotation	Kim	Dohoon
3123	BBS	850	L2	Laboratory Rotation	Kim	Dohoon
2559	BBS	850	L1	Laboratory Rotation	Kim	Jason
2921	BBS	850	L2	Laboratory Rotation	Kim	Jason
2425	BBS	850	L1	Laboratory Rotation	King	Jean
2787	BBS	850	L2	Laboratory Rotation	King	Jean
2427	BBS	850	L1	Laboratory Rotation	Kobertz	William
2789	BBS	850	L2	Laboratory Rotation	Kobertz	William
3355	BBS	850	ERL	Laboratory Rotation	Kornfeld	Hardy
2429	BBS	850	L1	Laboratory Rotation	Kornfeld	Hardy
2791	BBS	850	L2	Laboratory Rotation	Kornfeld	Hardy
2229	BBS	850	ERL	Laboratory Rotation	Korostelev	Andrei
2633	BBS	850	L1	Laboratory Rotation	Korostelev	Andrei
2995	BBS	850	L2	Laboratory Rotation	Korostelev	Andrei
2213	BBS	850	ERL	Laboratory Rotation	Kowalik	Timothy
2431	BBS	850	L1	Laboratory Rotation	Kowalik	Timothy
2793	BBS	850	L2	Laboratory Rotation	Kowalik	Timothy
2175	BBS	850	ERL	Laboratory Rotation	Kurt-Jones	Evelyn
2433	BBS	850	L1	Laboratory Rotation	Kurt-Jones	Evelyn
2795	BBS	850	L2	Laboratory Rotation	Kurt-Jones	Evelyn
2149	BBS	850	ERL	Laboratory Rotation	Landers	John
2571	BBS	850	L1	Laboratory Rotation	Landers	John
2933	BBS	850	L2	Laboratory Rotation	Landers	John
3393	BBS	850	ERL	Laboratory Rotation	Lawrence	Jeanne
2435	BBS	850	L1	Laboratory Rotation	Lawrence	Jeanne
2797	BBS	850	L2	Laboratory Rotation	Lawrence	Jeanne
3165	BBS	850	ERL	Laboratory Rotation	Lawson	Nathan

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2437	BBS	850	L1	Laboratory Rotation	Lawson	Nathan
2799	BBS	850	L2	Laboratory Rotation	Lawson	Nathan
2299	BBS	850	ERL	Laboratory Rotation	Lee	Michael
2677	BBS	850	L1	Laboratory Rotation	Lee	Michael
3037	BBS	850	L2	Laboratory Rotation	Lee	Michael
2337	BBS	850	ERL	Laboratory Rotation	Lemos	Jose
2693	BBS	850	L1	Laboratory Rotation	Lemos	Jose
3055	BBS	850	L2	Laboratory Rotation	Lemos	Jose
2439	BBS	850	L1	Laboratory Rotation	Levitz	Stuart
2801	BBS	850	L2	Laboratory Rotation	Levitz	Stuart
2261	BBS	850	ERL	Laboratory Rotation	Lewis	Brian
2441	BBS	850	L1	Laboratory Rotation	Lewis	Brian
2803	BBS	850	L2	Laboratory Rotation	Lewis	Brian
2177	BBS	850	ERL	Laboratory Rotation	Li	Hong-Sheng
2443	BBS	850	L1	Laboratory Rotation	Li	Hong-Sheng
2805	BBS	850	L2	Laboratory Rotation	Li	Hong-Sheng
2557	BBS	850	L1	Laboratory Rotation	Li	Shaoguang
2919	BBS	850	L2	Laboratory Rotation	Li	Shaoguang
2323	BBS	850	ERL	Laboratory Rotation	Libraty	Daniel
2445	BBS	850	L1	Laboratory Rotation	Libraty	Daniel
2807	BBS	850	L2	Laboratory Rotation	Libraty	Daniel
2447	BBS	850	L1	Laboratory Rotation	Lien	Egil
2809	BBS	850	L2	Laboratory Rotation	Lien	Egil
2291	BBS	850	ERL	Laboratory Rotation	Litvak	Vladimir
2669	BBS	850	L1	Laboratory Rotation	Litvak	Vladimir
3033	BBS	850	L2	Laboratory Rotation	Litvak	Vladimir
2151	BBS	850	ERL	Laboratory Rotation	Lois	Carlos
2603	BBS	850	L1	Laboratory Rotation	Lois	Carlos
2965	BBS	850	L2	Laboratory Rotation	Lois	Carlos
2449	BBS	850	L1	Laboratory Rotation	Lu	Shan

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2811	BBS	850	L2	Laboratory Rotation	Lu	Shan
2245	BBS	850	ERL	Laboratory Rotation	Luban	Jeremy
2649	BBS	850	L1	Laboratory Rotation	Luban	Jeremy
3013	BBS	850	L2	Laboratory Rotation	Luban	Jeremy
2451	BBS	850	L1	Laboratory Rotation	Luckmann	Roger
2813	BBS	850	L2	Laboratory Rotation	Luckmann	Roger
2243	BBS	850	ERL	Laboratory Rotation	Maehr	Rene
2647	BBS	850	L1	Laboratory Rotation	Maehr	Rene
3011	BBS	850	L2	Laboratory Rotation	Maehr	Rene
2253	BBS	850	ERL	Laboratory Rotation	Mandrekar	Pranoti
2587	BBS	850	L1	Laboratory Rotation	Mandrekar	Pranoti
2949	BBS	850	L2	Laboratory Rotation	Mandrekar	Pranoti
2567	BBS	850	L1	Laboratory Rotation	Mao	Junhao
2929	BBS	850	L2	Laboratory Rotation	Mao	Junhao
2247	BBS	850	ERL	Laboratory Rotation	Martin	Gilles
2651	BBS	850	L1	Laboratory Rotation	Martin	Gilles
3015	BBS	850	L2	Laboratory Rotation	Martin	Gilles
2453	BBS	850	L1	Laboratory Rotation	Massi	Francesca
2815	BBS	850	L2	Laboratory Rotation	Massi	Francesca
2179	BBS	850	ERL	Laboratory Rotation	Matthews	Charles
2455	BBS	850	L1	Laboratory Rotation	Matthews	Charles
2817	BBS	850	L2	Laboratory Rotation	Matthews	Charles
2457	BBS	850	L1	Laboratory Rotation	McCollum	Dannel
2819	BBS	850	L2	Laboratory Rotation	McCollum	Dannel
2181	BBS	850	ERL	Laboratory Rotation	McCormick	Beth
2569	BBS	850	L1	Laboratory Rotation	McCormick	Beth
2931	BBS	850	L2	Laboratory Rotation	McCormick	Beth
2303	BBS	850	ERL	Laboratory Rotation	Melikian	Haley
2459	BBS	850	L1	Laboratory Rotation	Melikian	Haley
2821	BBS	850	L2	Laboratory Rotation	Melikian	Haley

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2183	BBS	850	ERL	Laboratory Rotation	Mello	Craig
2461	BBS	850	L1	Laboratory Rotation	Mello	Craig
2823	BBS	850	L2	Laboratory Rotation	Mello	Craig
2273	BBS	850	ERL	Laboratory Rotation	Mercurio	Arthur
2463	BBS	850	L1	Laboratory Rotation	Mercurio	Arthur
2825	BBS	850	L2	Laboratory Rotation	Mercurio	Arthur
2465	BBS	850	L1	Laboratory Rotation	Miller	Stephen
2827	BBS	850	L2	Laboratory Rotation	Miller	Stephen
3193	BBS	850	ERL	Laboratory Rotation	MITCHELL	Amir Zadok
3189	BBS	850	L1	Laboratory Rotation	MITCHELL	Amir Zadok
3191	BBS	850	L2	Laboratory Rotation	MITCHELL	Amir Zadok
2217	BBS	850	ERL	Laboratory Rotation	Moore	Constance
2627	BBS	850	L1	Laboratory Rotation	Moore	Constance
2989	BBS	850	L2	Laboratory Rotation	Moore	Constance
2467	BBS	850	L1	Laboratory Rotation	Moore	Melissa
2829	BBS	850	L2	Laboratory Rotation	Moore	Melissa
3467	BBS	850	ERL	Laboratory Rotation	Moormann	Ann
2589	BBS	850	L1	Laboratory Rotation	Moormann	Ann
2951	BBS	850	L2	Laboratory Rotation	Moormann	Ann
2469	BBS	850	L1	Laboratory Rotation	Morrison	Trudy
2831	BBS	850	L2	Laboratory Rotation	Morrison	Trudy
2637	BBS	850	L1	Laboratory Rotation	Muller	Christian
2999	BBS	850	L2	Laboratory Rotation	Muller	Christian
2471	BBS	850	L1	Laboratory Rotation	Munson	Maryann
2833	BBS	850	L2	Laboratory Rotation	Munson	Maryann
2473	BBS	850	L1	Laboratory Rotation	Newburger	Peter
2835	BBS	850	L2	Laboratory Rotation	Newburger	Peter
2475	BBS	850	L1	Laboratory Rotation	Ockene	Judith
2837	BBS	850	L2	Laboratory Rotation	Ockene	Judith
3235	BBS	850	ERL	Laboratory Rotation	Ortiz-Miranda	Sonia

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3241	BBS	850	L1	Laboratory Rotation	Ortiz-Miranda	Sonia
3257	BBS	850	L2	Laboratory Rotation	Ortiz-Miranda	Sonia
2255	BBS	850	ERL	Laboratory Rotation	Ostroff	Gary
2575	BBS	850	L1	Laboratory Rotation	Ostroff	Gary
2937	BBS	850	L2	Laboratory Rotation	Ostroff	Gary
3413	BBS	850	L1	Laboratory Rotation	PAI	Athma Anjali
3415	BBS	850	L2	Laboratory Rotation	PAI	Athma Anjali
2477	BBS	850	L1	Laboratory Rotation	Paydarfar	David
2839	BBS	850	L2	Laboratory Rotation	Paydarfar	David
2257	BBS	850	ERL	Laboratory Rotation	Pazour	Gregory
2479	BBS	850	L1	Laboratory Rotation	Pazour	Gregory
2841	BBS	850	L2	Laboratory Rotation	Pazour	Gregory
2309	BBS	850	ERL	Laboratory Rotation	Peterson	Craig
2481	BBS	850	L1	Laboratory Rotation	Peterson	Craig
2843	BBS	850	L2	Laboratory Rotation	Peterson	Craig
2483	BBS	850	L1	Laboratory Rotation	Pryciak	Peter
2845	BBS	850	L2	Laboratory Rotation	Pryciak	Peter
2333	BBS	850	ERL	Laboratory Rotation	Pukkila-Worley	Read
2687	BBS	850	L1	Laboratory Rotation	Pukkila-Worley	Read
3049	BBS	850	L2	Laboratory Rotation	Pukkila-Worley	Read
2225	BBS	850	ERL	Laboratory Rotation	Punzo	Claudio
2629	BBS	850	L1	Laboratory Rotation	Punzo	Claudio
2991	BBS	850	L2	Laboratory Rotation	Punzo	Claudio
3437	BBS	850	ERL	Laboratory Rotation	Ram	Sanjay
2485	BBS	850	L1	Laboratory Rotation	Ram	Sanjay
2847	BBS	850	L2	Laboratory Rotation	Ram	Sanjay
2209	BBS	850	ERL	Laboratory Rotation	Rando	Oliver
2487	BBS	850	L1	Laboratory Rotation	Rando	Oliver
2849	BBS	850	L2	Laboratory Rotation	Rando	Oliver
3155	BBS	850	ERL	Laboratory Rotation	REBOLDI	Andrea

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3153	BBS	850	L1	Laboratory Rotation	REBOLDI	Andrea
2317	BBS	850	ERL	Laboratory Rotation	Rhind	Nicholas
2489	BBS	850	L1	Laboratory Rotation	Rhind	Nicholas
2851	BBS	850	L2	Laboratory Rotation	Rhind	Nicholas
2491	BBS	850	L1	Laboratory Rotation	Richter	Joel
2853	BBS	850	L2	Laboratory Rotation	Richter	Joel
2493	BBS	850	L1	Laboratory Rotation	Rivera Perez	Jaime
2855	BBS	850	L2	Laboratory Rotation	Rivera Perez	Jaime
2185	BBS	850	ERL	Laboratory Rotation	Rock	Kenneth
2495	BBS	850	L1	Laboratory Rotation	Rock	Kenneth
2857	BBS	850	L2	Laboratory Rotation	Rock	Kenneth
3357	BBS	850	ERL	Laboratory Rotation	Rogaev	Evgeny
3361	BBS	850	L1	Laboratory Rotation	Rogaev	Evgeny
3359	BBS	850	L2	Laboratory Rotation	Rogaev	Evgeny
2187	BBS	850	ERL	Laboratory Rotation	Ross	Alonzo
2497	BBS	850	L1	Laboratory Rotation	Ross	Alonzo
2859	BBS	850	L2	Laboratory Rotation	Ross	Alonzo
2153	BBS	850	ERL	Laboratory Rotation	Rothstein	Ann
2605	BBS	850	L1	Laboratory Rotation	Rothstein	Ann
2967	BBS	850	L2	Laboratory Rotation	Rothstein	Ann
2329	BBS	850	ERL	Laboratory Rotation	Royer	William
2499	BBS	850	L1	Laboratory Rotation	Royer	William
2861	BBS	850	L2	Laboratory Rotation	Royer	William
2133	BBS	850	ERL	Laboratory Rotation	Ruiz De Luzuriaga	Katherine
2501	BBS	850	L1	Laboratory Rotation	Ruiz De Luzuriaga	Katherine
2863	BBS	850	L2	Laboratory Rotation	Ruiz De Luzuriaga	Katherine
2189	BBS	850	ERL	Laboratory Rotation	Ryder	Sean
2503	BBS	850	L1	Laboratory Rotation	Ryder	Sean
2865	BBS	850	L2	Laboratory Rotation	Ryder	Sean
2505	BBS	850	L1	Laboratory Rotation	Sagerstrom	Charles

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2867	BBS	850	L2	Laboratory Rotation	Sagerstrom	Charles
2259	BBS	850	ERL	Laboratory Rotation	Sassetti	Christopher
2507	BBS	850	L1	Laboratory Rotation	Sassetti	Christopher
2869	BBS	850	L2	Laboratory Rotation	Sassetti	Christopher
2327	BBS	850	ERL	Laboratory Rotation	Schafer	Dorothy
2699	BBS	850	L1	Laboratory Rotation	Schafer	Dorothy
3061	BBS	850	L2	Laboratory Rotation	Schafer	Dorothy
2121	BBS	850	ERL	Laboratory Rotation	Schiffer	Celia
2509	BBS	850	L1	Laboratory Rotation	Schiffer	Celia
2871	BBS	850	L2	Laboratory Rotation	Schiffer	Celia
2127	BBS	850	ERL	Laboratory Rotation	Selin	Liisa
2511	BBS	850	L1	Laboratory Rotation	Selin	Liisa
2873	BBS	850	L2	Laboratory Rotation	Selin	Liisa
2581	BBS	850	L1	Laboratory Rotation	Sena Esteves	Miguel
2943	BBS	850	L2	Laboratory Rotation	Sena Esteves	Miguel
3439	BBS	850	ERL	Laboratory Rotation	Shaffer	Scott
3445	BBS	850	L1	Laboratory Rotation	Shaffer	Scott
3449	BBS	850	L2	Laboratory Rotation	Shaffer	Scott
2513	BBS	850	L1	Laboratory Rotation	Shaw	Leslie
2875	BBS	850	L2	Laboratory Rotation	Shaw	Leslie
3233	BBS	850	ERL	Laboratory Rotation	Shim	Jae-Hyuck
3239	BBS	850	L1	Laboratory Rotation	Shim	Jae-Hyuck
3255	BBS	850	L2	Laboratory Rotation	Shim	Jae-Hyuck
3399	BBS	850	L1	Laboratory Rotation	SHOHET	Jason Matthew
3401	BBS	850	L2	Laboratory Rotation	SHOHET	Jason Matthew
2207	BBS	850	ERL	Laboratory Rotation	Silverman	Neal
2515	BBS	850	L1	Laboratory Rotation	Silverman	Neal
2877	BBS	850	L2	Laboratory Rotation	Silverman	Neal
2517	BBS	850	L1	Laboratory Rotation	Sluder	Greenfield
2879	BBS	850	L2	Laboratory Rotation	Sluder	Greenfield

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2519	BBS	850	L1	Laboratory Rotation	Socolovsky	Merav
2881	BBS	850	L2	Laboratory Rotation	Socolovsky	Merav
2191	BBS	850	ERL	Laboratory Rotation	Song	Jie
2521	BBS	850	L1	Laboratory Rotation	Song	Jie
2883	BBS	850	L2	Laboratory Rotation	Song	Jie
2335	BBS	850	ERL	Laboratory Rotation	Sontheimer	Erik
2689	BBS	850	L1	Laboratory Rotation	Sontheimer	Erik
3051	BBS	850	L2	Laboratory Rotation	Sontheimer	Erik
2523	BBS	850	L1	Laboratory Rotation	Stein	Gary
2885	BBS	850	L2	Laboratory Rotation	Stein	Gary
2193	BBS	850	ERL	Laboratory Rotation	Stern	Lawrence
2525	BBS	850	L1	Laboratory Rotation	Stern	Lawrence
2887	BBS	850	L2	Laboratory Rotation	Stern	Lawrence
2227	BBS	850	ERL	Laboratory Rotation	Swain	Susan
2631	BBS	850	L1	Laboratory Rotation	Swain	Susan
2993	BBS	850	L2	Laboratory Rotation	Swain	Susan
2307	BBS	850	ERL	Laboratory Rotation	Szabo	Gyongyi
2527	BBS	850	L1	Laboratory Rotation	Szabo	Gyongyi
2889	BBS	850	L2	Laboratory Rotation	Szabo	Gyongyi
2195	BBS	850	ERL	Laboratory Rotation	Tapper	Andrew
2529	BBS	850	L1	Laboratory Rotation	Tapper	Andrew
2891	BBS	850	L2	Laboratory Rotation	Tapper	Andrew
2531	BBS	850	L1	Laboratory Rotation	Theurkauf	William
2893	BBS	850	L2	Laboratory Rotation	Theurkauf	William
2325	BBS	850	ERL	Laboratory Rotation	Thompson	Paul
2691	BBS	850	L1	Laboratory Rotation	Thompson	Paul
3053	BBS	850	L2	Laboratory Rotation	Thompson	Paul
2533	BBS	850	L1	Laboratory Rotation	Tissenbaum	Heidi
2895	BBS	850	L2	Laboratory Rotation	Tissenbaum	Heidi
2671	BBS	850	L1	Laboratory Rotation	Torres	Eduardo

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3223	BBS	850	L2	Laboratory Rotation	Torres	Eduardo
2233	BBS	850	ERL	Laboratory Rotation	Trivedi	Chinmay
2639	BBS	850	L1	Laboratory Rotation	Trivedi	Chinmay
3001	BBS	850	L2	Laboratory Rotation	Trivedi	Chinmay
2129	BBS	850	ERL	Laboratory Rotation	Urano	Fumihiko
2535	BBS	850	L1	Laboratory Rotation	Urano	Fumihiko
2897	BBS	850	L2	Laboratory Rotation	Urano	Fumihiko
2293	BBS	850	ERL	Laboratory Rotation	Walhout	Albertha
2537	BBS	850	L1	Laboratory Rotation	Walhout	Albertha
2899	BBS	850	L2	Laboratory Rotation	Walhout	Albertha
2241	BBS	850	ERL	Laboratory Rotation	Walker	Amy
2673	BBS	850	L1	Laboratory Rotation	Walker	Amy
3009	BBS	850	L2	Laboratory Rotation	Walker	Amy
2155	BBS	850	ERL	Laboratory Rotation	Wang	Jennifer
2607	BBS	850	L1	Laboratory Rotation	Wang	Jennifer
2969	BBS	850	L2	Laboratory Rotation	Wang	Jennifer
2157	BBS	850	ERL	Laboratory Rotation	Waring	Molly
2609	BBS	850	L1	Laboratory Rotation	Waring	Molly
2971	BBS	850	L2	Laboratory Rotation	Waring	Molly
3231	BBS	850	ERL	Laboratory Rotation	Watts	Jonathan
3247	BBS	850	L1	Laboratory Rotation	Watts	Jonathan
3221	BBS	850	L2	Laboratory Rotation	Watts	Jonathan
2539	BBS	850	L1	Laboratory Rotation	Weaver	David
2901	BBS	850	L2	Laboratory Rotation	Weaver	David
2541	BBS	850	L1	Laboratory Rotation	Welsh	Raymond
2903	BBS	850	L2	Laboratory Rotation	Welsh	Raymond
2197	BBS	850	ERL	Laboratory Rotation	Weng	Zhiping
2543	BBS	850	L1	Laboratory Rotation	Weng	Zhiping
2905	BBS	850	L2	Laboratory Rotation	Weng	Zhiping
3151	BBS	850	ERL	Laboratory Rotation	Wolfe	Scot

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2555	BBS	850	L1	Laboratory Rotation	Wolfe	Scot
2917	BBS	850	L2	Laboratory Rotation	Wolfe	Scot
2545	BBS	850	L1	Laboratory Rotation	Woodland	Robert
2907	BBS	850	L2	Laboratory Rotation	Woodland	Robert
2239	BBS	850	ERL	Laboratory Rotation	Xiang	Yang
2645	BBS	850	L1	Laboratory Rotation	Xiang	Yang
3007	BBS	850	L2	Laboratory Rotation	Xiang	Yang
3441	BBS	850	ERL	Laboratory Rotation	Xu	Zuoshang
2547	BBS	850	L1	Laboratory Rotation	Xu	Zuoshang
2909	BBS	850	L2	Laboratory Rotation	Xu	Zuoshang
2701	BBS	850	L1	Laboratory Rotation	Xue	Wen
3047	BBS	850	L2	Laboratory Rotation	Xue	Wen
2315	BBS	850	ERL	Laboratory Rotation	Yu	Hong
2683	BBS	850	L1	Laboratory Rotation	Yu	Hong
3043	BBS	850	L2	Laboratory Rotation	Yu	Hong
2203	BBS	850	ERL	Laboratory Rotation	Zamore	Phillip
2549	BBS	850	L1	Laboratory Rotation	Zamore	Phillip
2911	BBS	850	L2	Laboratory Rotation	Zamore	Phillip
2199	BBS	850	ERL	Laboratory Rotation	Zeldovich	Konstantin
2563	BBS	850	L1	Laboratory Rotation	Zeldovich	Konstantin
2925	BBS	850	L2	Laboratory Rotation	Zeldovich	Konstantin
2551	BBS	850	L1	Laboratory Rotation	Zhang	Hong
2913	BBS	850	L2	Laboratory Rotation	Zhang	Hong
2331	BBS	850	ERL	Laboratory Rotation	ZHUGE	Ronghua
2553	BBS	850	L1	Laboratory Rotation	ZHUGE	Ronghua
2915	BBS	850	L2	Laboratory Rotation	ZHUGE	Ronghua
2237	BBS	850	ERL	Laboratory Rotation	Ziedonis	Douglas
2643	BBS	850	L1	Laboratory Rotation	Ziedonis	Douglas
3005	BBS	850	L2	Laboratory Rotation	Ziedonis	Douglas
2201	BBS	850	ERL	Laboratory Rotation	Zitzewitz	Jill

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1015	BBS	870	1	Prequalifying Research	Alkema	Mark
1731	BBS	870	1	Prequalifying Research	Allison	Jeroan
2009	BBS	870	1	Prequalifying Research	Alonso	Laura
1017	BBS	870	1	Prequalifying Research	Ambros	Victor
3303	BBS	870	1	Prequalifying Research	ANACLET	Christelle
1019	BBS	870	1	Prequalifying Research	ANDERSON	Frederick Arthur
2083	BBS	870	1	Prequalifying Research	Aroian	Raffi
1021	BBS	870	1	Prequalifying Research	Aronin	Neil
3507	BBS	870	1	Prequalifying Research	Bach	Ingolf
1023	BBS	870	1	Prequalifying Research	Baehrecke	Eric
1773	BBS	870	1	Prequalifying Research	Bailey	Jeffrey
1977	BBS	870	1	Prequalifying Research	Behar	Samuel
1845	BBS	870	1	Prequalifying Research	Benanti	Jennifer
1775	BBS	870	1	Prequalifying Research	Benard	Claire
1025	BBS	870	1	Prequalifying Research	Berg	Leslie
1935	BBS	870	1	Prequalifying Research	Bergmann	Andreas
4114	BBS	870	1	Prequalifying Research	Bogunovic	Milena
1027	BBS	870	1	Prequalifying Research	Bolon	Daniel
1231	BBS	870	1	Prequalifying Research	Bosco	Daryl
1777	BBS	870	1	Prequalifying Research	Boyer	Edward
1979	BBS	870	1	Prequalifying Research	Brass	Abraham
1779	BBS	870	1	Prequalifying Research	Brehm	Michael
2049	BBS	870	1	Prequalifying Research	Brewer	Judson
3125	BBS	870	1	Prequalifying Research	Brewster	Robert
1235	BBS	870	1	Prequalifying Research	Brown	Robert
1029	BBS	870	1	Prequalifying Research	Budnik	Vivian
3293	BBS	870	1	Prequalifying Research	BYRNE	Alexandra Catherine
1031	BBS	870	1	Prequalifying Research	Cantor	Sharon
1033	BBS	870	1	Prequalifying Research	Carruthers	Anthony
1035	BBS	870	1	Prequalifying Research	Castilla	Lucio

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
3127	BBS	870	1	Prequalifying Research	Cavacini	Lisa
1781	BBS	870	1	Prequalifying Research	Ceol	Craig
1037	BBS	870	1	Prequalifying Research	CHAN	Francis Ka Ming
1039	BBS	870	1	Prequalifying Research	Clapham	Paul
1041	BBS	870	1	Prequalifying Research	Clark	Robin
1733	BBS	870	1	Prequalifying Research	Cooper	Marcus
1043	BBS	870	1	Prequalifying Research	Corvera	Silvia
1045	BBS	870	1	Prequalifying Research	CZECH	Michael Paul
1047	BBS	870	1	Prequalifying Research	Davis	Roger
1049	BBS	870	1	Prequalifying Research	Dekker	Job
3451	BBS	870	1	Prequalifying Research	Donahue	John
1051	BBS	870	1	Prequalifying Research	Doxsey	Stephen
1053	BBS	870	1	Prequalifying Research	EMERY	Patrick
1847	BBS	870	1	Prequalifying Research	Fazzio	Thomas
1055	BBS	870	1	Prequalifying Research	Finberg	Robert
1057	BBS	870	1	Prequalifying Research	Fitzgerald	Katherine
4145	BBS	870	1	Prequalifying Research	FITZGERALD	Thomas
1059	BBS	870	1	Prequalifying Research	Flotte	Terence
1061	BBS	870	1	Prequalifying Research	Francis	Michael
1915	BBS	870	1	Prequalifying Research	FREEDMAN	Jane
1063	BBS	870	1	Prequalifying Research	Freeman	Marc
1879	BBS	870	1	Prequalifying Research	Futai	Kensuke
1783	BBS	870	1	Prequalifying Research	Gao	Fen-Biao
1067	BBS	870	1	Prequalifying Research	Gao	Guangping
1999	BBS	870	1	Prequalifying Research	Garber	Manuel
1065	BBS	870	1	Prequalifying Research	Gardner	Paul
1857	BBS	870	1	Prequalifying Research	Goguen	Jon
1069	BBS	870	1	Prequalifying Research	GOLDBERG	Robert Joel
2107	BBS	870	1	Prequalifying Research	Golenbock	Douglas
1071	BBS	870	1	Prequalifying Research	Gottlinger	Heinrich

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1073	BBS	870	1	Prequalifying Research	Gravallese	Ellen
1075	BBS	870	1	Prequalifying Research	Green	Michael
3379	BBS	870	1	Prequalifying Research	GREER	Paul Lieberman
1077	BBS	870	1	Prequalifying Research	Greiner	Dale
1997	BBS	870	1	Prequalifying Research	Grunwald	David
1737	BBS	870	1	Prequalifying Research	Guertin	David
1869	BBS	870	1	Prequalifying Research	Han	Gang
1885	BBS	870	1	Prequalifying Research	Harris	John
3213	BBS	870	1	Prequalifying Research	Haynes	Cole
1079	BBS	870	1	Prequalifying Research	Hayward	Lawrence
4091	BBS	870	1	Prequalifying Research	Henninger	Nils
2043	BBS	870	1	Prequalifying Research	Huh	Jun
1081	BBS	870	1	Prequalifying Research	Huseby	Eric
1083	BBS	870	1	Prequalifying Research	Imbalzano	Anthony
1085	BBS	870	1	Prequalifying Research	Ip	Yicktung
3299	BBS	870	1	Prequalifying Research	IRAZOQUI	Javier Elbio
1087	BBS	870	1	Prequalifying Research	Jacobson	Allan
4092	BBS	870	1	Prequalifying Research	JOHNSON	Mark Damone
2017	BBS	870	1	Prequalifying Research	Jones	Peter
1089	BBS	870	1	Prequalifying Research	Jones	Stephen
1091	BBS	870	1	Prequalifying Research	Kang	Joonsoo
2085	BBS	870	1	Prequalifying Research	Karlsson	Elinor
1093	BBS	870	1	Prequalifying Research	Kaufman	Paul
1785	BBS	870	1	Prequalifying Research	Keaney	John
1981	BBS	870	1	Prequalifying Research	Kelch	Brian
1095	BBS	870	1	Prequalifying Research	Kelliher	Michelle
1881	BBS	870	1	Prequalifying Research	Kennedy	David
1867	BBS	870	1	Prequalifying Research	Khanna	Hemant
2033	BBS	870	1	Prequalifying Research	Khvorova	Anastasia
1739	BBS	870	1	Prequalifying Research	Kiefe	Catarina

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3129	BBS	870	1	Prequalifying Research	Kim	Dohoon
1229	BBS	870	1	Prequalifying Research	Kim	Jason
1097	BBS	870	1	Prequalifying Research	King	Jean
1099	BBS	870	1	Prequalifying Research	Kobertz	William
1101	BBS	870	1	Prequalifying Research	Kornfeld	Hardy
1909	BBS	870	1	Prequalifying Research	Korostelev	Andrei
1103	BBS	870	1	Prequalifying Research	Kowalik	Timothy
1105	BBS	870	1	Prequalifying Research	Kurt-Jones	Evelyn
1787	BBS	870	1	Prequalifying Research	Landers	John
1107	BBS	870	1	Prequalifying Research	Lawrence	Jeanne
1109	BBS	870	1	Prequalifying Research	Lawson	Nathan
2039	BBS	870	1	Prequalifying Research	Lee	Michael
2109	BBS	870	1	Prequalifying Research	Lemos	Jose
1111	BBS	870	1	Prequalifying Research	Levitz	Stuart
1113	BBS	870	1	Prequalifying Research	Lewis	Brian
1115	BBS	870	1	Prequalifying Research	Li	Hong-Sheng
1227	BBS	870	1	Prequalifying Research	Li	Shaoguang
1117	BBS	870	1	Prequalifying Research	Libraty	Daniel
1119	BBS	870	1	Prequalifying Research	Lien	Egil
2019	BBS	870	1	Prequalifying Research	Litvak	Vladimir
1789	BBS	870	1	Prequalifying Research	Lois	Carlos
1121	BBS	870	1	Prequalifying Research	Lu	Shan
1945	BBS	870	1	Prequalifying Research	Luban	Jeremy
1123	BBS	870	1	Prequalifying Research	Luckmann	Roger
1943	BBS	870	1	Prequalifying Research	Maehr	Rene
1761	BBS	870	1	Prequalifying Research	Mandrekar	Pranoti
1237	BBS	870	1	Prequalifying Research	Mao	Junhao
1947	BBS	870	1	Prequalifying Research	Martin	Gilles
1125	BBS	870	1	Prequalifying Research	Massi	Francesca
1127	BBS	870	1	Prequalifying Research	Matthews	Charles

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1129	BBS	870	1	Prequalifying Research	McCollum	Dannel
1239	BBS	870	1	Prequalifying Research	McCormick	Beth
1131	BBS	870	1	Prequalifying Research	Melikian	Haley
1133	BBS	870	1	Prequalifying Research	Mello	Craig
1135	BBS	870	1	Prequalifying Research	Mercurio	Arthur
2029	BBS	870	1	Prequalifying Research	Miller	Stephen
3195	BBS	870	1	Prequalifying Research	MITCHELL	Amir Zadok
1883	BBS	870	1	Prequalifying Research	Moore	Constance
1137	BBS	870	1	Prequalifying Research	Moore	Melissa
1763	BBS	870	1	Prequalifying Research	Moormann	Ann
1139	BBS	870	1	Prequalifying Research	Morrison	Trudy
1923	BBS	870	1	Prequalifying Research	Muller	Christian
1141	BBS	870	1	Prequalifying Research	Munson	Maryann
1143	BBS	870	1	Prequalifying Research	Newburger	Peter
1145	BBS	870	1	Prequalifying Research	Ockene	Judith
3297	BBS	870	1	Prequalifying Research	Ortiz-Miranda	Sonia
1725	BBS	870	1	Prequalifying Research	Ostroff	Gary
3417	BBS	870	1	Prequalifying Research	PAI	Athma Anjali
1147	BBS	870	1	Prequalifying Research	Paydarfar	David
1149	BBS	870	1	Prequalifying Research	Pazour	Gregory
1151	BBS	870	1	Prequalifying Research	Peterson	Craig
1153	BBS	870	1	Prequalifying Research	Pryciak	Peter
2071	BBS	870	1	Prequalifying Research	Pukkila-Worley	Read
1887	BBS	870	1	Prequalifying Research	Punzo	Claudio
1155	BBS	870	1	Prequalifying Research	Ram	Sanjay
1157	BBS	870	1	Prequalifying Research	Rando	Oliver
3157	BBS	870	1	Prequalifying Research	REBOLDI	Andrea
1159	BBS	870	1	Prequalifying Research	Rhind	Nicholas
1161	BBS	870	1	Prequalifying Research	Richter	Joel
1163	BBS	870	1	Prequalifying Research	Rivera Perez	Jaime

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1165	BBS	870	1	Prequalifying Research	Rock	Kenneth
3363	BBS	870	1	Prequalifying Research	Rogaev	Evgeny
1167	BBS	870	1	Prequalifying Research	Ross	Alonzo
1791	BBS	870	1	Prequalifying Research	Rothstein	Ann
1169	BBS	870	1	Prequalifying Research	Royer	William
1171	BBS	870	1	Prequalifying Research	Ruiz De Luzuriaga	Katherine
1173	BBS	870	1	Prequalifying Research	Ryder	Sean
1175	BBS	870	1	Prequalifying Research	Sagerstrom	Charles
1177	BBS	870	1	Prequalifying Research	Sassetti	Christopher
2087	BBS	870	1	Prequalifying Research	Schafer	Dorothy
1179	BBS	870	1	Prequalifying Research	Schiffer	Celia
1195	BBS	870	1	Prequalifying Research	Selin	Liisa
1735	BBS	870	1	Prequalifying Research	Sena Esteves	Miguel
3453	BBS	870	1	Prequalifying Research	Shaffer	Scott
1181	BBS	870	1	Prequalifying Research	Shaw	Leslie
3295	BBS	870	1	Prequalifying Research	Shim	Jae-Hyuck
3403	BBS	870	1	Prequalifying Research	SHOHET	Jason Matthew
1183	BBS	870	1	Prequalifying Research	Silverman	Neal
1185	BBS	870	1	Prequalifying Research	Sluder	Greenfield
1187	BBS	870	1	Prequalifying Research	Socolovsky	Merav
1189	BBS	870	1	Prequalifying Research	Song	Jie
2073	BBS	870	1	Prequalifying Research	Sontheimer	Erik
1191	BBS	870	1	Prequalifying Research	Stein	Gary
1193	BBS	870	1	Prequalifying Research	Stern	Lawrence
1921	BBS	870	1	Prequalifying Research	Swain	Susan
1197	BBS	870	1	Prequalifying Research	Szabo	Gyongyi
1225	BBS	870	1	Prequalifying Research	Tapper	Andrew
1199	BBS	870	1	Prequalifying Research	Theurkauf	William
2075	BBS	870	1	Prequalifying Research	Thompson	Paul
1201	BBS	870	1	Prequalifying Research	Tissenbaum	Heidi

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1933	BBS	870	1	Prequalifying Research	Trivedi	Chinmay
1203	BBS	870	1	Prequalifying Research	Urano	Fumihiko
1205	BBS	870	1	Prequalifying Research	Walhout	Albertha
1941	BBS	870	1	Prequalifying Research	Walker	Amy
3425	BBS	870	1	Prequalifying Research	WANG	Bo
1793	BBS	870	1	Prequalifying Research	Wang	Jennifer
1795	BBS	870	1	Prequalifying Research	Waring	Molly
3301	BBS	870	1	Prequalifying Research	Watts	Jonathan
1207	BBS	870	1	Prequalifying Research	Weaver	David
1209	BBS	870	1	Prequalifying Research	Welsh	Raymond
1211	BBS	870	1	Prequalifying Research	Weng	Zhiping
1213	BBS	870	1	Prequalifying Research	Wolfe	Scot
1215	BBS	870	1	Prequalifying Research	Woodland	Robert
1939	BBS	870	1	Prequalifying Research	Xiang	Yang
1217	BBS	870	1	Prequalifying Research	Xu	Zuoshang
2089	BBS	870	1	Prequalifying Research	Xue	Wen
2051	BBS	870	1	Prequalifying Research	Yu	Hong
1219	BBS	870	1	Prequalifying Research	Zamore	Phillip
1233	BBS	870	1	Prequalifying Research	Zeldovich	Konstantin
1221	BBS	870	1	Prequalifying Research	Zhang	Hong
1223	BBS	870	1	Prequalifying Research	ZHUGE	Ronghua
1937	BBS	870	1	Prequalifying Research	Ziedonis	Douglas
1241	BBS	900	1	Thesis Research	ACHARYA	Usha Rajagopalan Jairaj
1243	BBS	900	1	Thesis Research	Akbarian	Schahram
1245	BBS	900	1	Thesis Research	Alkema	Mark
1741	BBS	900	1	Thesis Research	Allison	Jeroan
2011	BBS	900	1	Thesis Research	Alonso	Laura
1247	BBS	900	1	Thesis Research	Ambros	Victor
3311	BBS	900	1	Thesis Research	ANACLET	Christelle
1249	BBS	900	1	Thesis Research	ANDERSON	Frederick Arthur

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2091	BBS	900	1	Thesis Research	Aroian	Raffi
1251	BBS	900	1	Thesis Research	Aronin	Neil
1253	BBS	900	1	Thesis Research	Bach	Ingolf
1255	BBS	900	1	Thesis Research	Baehrecke	Eric
1797	BBS	900	1	Thesis Research	Bailey	Jeffrey
1257	BBS	900	1	Thesis Research	Baker	Richard
1983	BBS	900	1	Thesis Research	Behar	Samuel
1849	BBS	900	1	Thesis Research	Benanti	Jennifer
1799	BBS	900	1	Thesis Research	Benard	Claire
1259	BBS	900	1	Thesis Research	Berg	Leslie
1949	BBS	900	1	Thesis Research	Bergmann	Andreas
1261	BBS	900	1	Thesis Research	Bogdanov	Alexei
4113	BBS	900	1	Thesis Research	Bogunovic	Milena
1263	BBS	900	1	Thesis Research	Bolon	Daniel
1265	BBS	900	1	Thesis Research	Bortell	Rita
1267	BBS	900	1	Thesis Research	Bosch	Irene
1481	BBS	900	1	Thesis Research	Bosco	Daryl
1269	BBS	900	1	Thesis Research	Boyartchuk	Victor
1801	BBS	900	1	Thesis Research	Boyer	Edward
1985	BBS	900	1	Thesis Research	Brass	Abraham
1803	BBS	900	1	Thesis Research	Brehm	Michael
2053	BBS	900	1	Thesis Research	Brewer	Judson
3131	BBS	900	1	Thesis Research	Brewster	Robert
1271	BBS	900	1	Thesis Research	Brodsky	Michael
1485	BBS	900	1	Thesis Research	Brown	Robert
1273	BBS	900	1	Thesis Research	Budnik	Vivian
3305	BBS	900	1	Thesis Research	BYRNE	Alexandra Catherine
1275	BBS	900	1	Thesis Research	Cantor	Sharon
1277	BBS	900	1	Thesis Research	Carruthers	Anthony
1279	BBS	900	1	Thesis Research	Castilla	Lucio

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3133	BBS	900	1	Thesis Research	Cavacini	Lisa
1805	BBS	900	1	Thesis Research	Ceol	Craig
1281	BBS	900	1	Thesis Research	CHAN	Francis Ka Ming
1283	BBS	900	1	Thesis Research	Clapham	Paul
1285	BBS	900	1	Thesis Research	Clark	Robin
1743	BBS	900	1	Thesis Research	Cooper	Marcus
1287	BBS	900	1	Thesis Research	Corvera	Silvia
1289	BBS	900	1	Thesis Research	Craig	Roger
1291	BBS	900	1	Thesis Research	CZECH	Michael Paul
1293	BBS	900	1	Thesis Research	Davis	Roger
1295	BBS	900	1	Thesis Research	Dekker	Job
1297	BBS	900	1	Thesis Research	DIFRANZA	Joseph
1299	BBS	900	1	Thesis Research	Dobner	Paul
3455	BBS	900	1	Thesis Research	Donahue	John
1301	BBS	900	1	Thesis Research	Doxsey	Stephen
1303	BBS	900	1	Thesis Research	Ellison	Richard
1305	BBS	900	1	Thesis Research	EMERY	Patrick
1851	BBS	900	1	Thesis Research	Fazzio	Thomas
1307	BBS	900	1	Thesis Research	Finberg	Robert
1309	BBS	900	1	Thesis Research	Fitzgerald	Katherine
4146	BBS	900	1	Thesis Research	FITZGERALD	Thomas
1311	BBS	900	1	Thesis Research	Flotte	Terence
1313	BBS	900	1	Thesis Research	Francis	Michael
1917	BBS	900	1	Thesis Research	FREEDMAN	Jane
1315	BBS	900	1	Thesis Research	Freeman	Marc
1875	BBS	900	1	Thesis Research	Futai	Kensuke
1807	BBS	900	1	Thesis Research	Gao	Fen-Biao
1319	BBS	900	1	Thesis Research	Gao	Guangping
2003	BBS	900	1	Thesis Research	Garber	Manuel
1317	BBS	900	1	Thesis Research	Gardner	Paul

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1859	BBS	900	1	Thesis Research	Goguen	Jon
1321	BBS	900	1	Thesis Research	GOLDBERG	Robert Joel
1323	BBS	900	1	Thesis Research	Golenbock	Douglas
1325	BBS	900	1	Thesis Research	Gottlinger	Heinrich
1327	BBS	900	1	Thesis Research	Gravallese	Ellen
1329	BBS	900	1	Thesis Research	Green	Michael
3381	BBS	900	1	Thesis Research	GREER	Paul Lieberman
1331	BBS	900	1	Thesis Research	Greiner	Dale
2001	BBS	900	1	Thesis Research	Grunwald	David
1747	BBS	900	1	Thesis Research	Guertin	David
1871	BBS	900	1	Thesis Research	Han	Gang
1893	BBS	900	1	Thesis Research	Harris	John
3215	BBS	900	1	Thesis Research	Haynes	Cole
1333	BBS	900	1	Thesis Research	Hayward	Lawrence
4095	BBS	900	1	Thesis Research	Henninger	Nils
2045	BBS	900	1	Thesis Research	Huh	Jun
1335	BBS	900	1	Thesis Research	Huseby	Eric
1337	BBS	900	1	Thesis Research	Imbalzano	Anthony
1339	BBS	900	1	Thesis Research	Ip	Yicktung
3313	BBS	900	1	Thesis Research	IRAZOQUI	Javier Elbio
1341	BBS	900	1	Thesis Research	Jacobson	Allan
4096	BBS	900	1	Thesis Research	JOHNSON	Mark Damone
2021	BBS	900	1	Thesis Research	Jones	Peter
1343	BBS	900	1	Thesis Research	Jones	Stephen
1345	BBS	900	1	Thesis Research	Kang	Joonsoo
2093	BBS	900	1	Thesis Research	Karlsson	Elinor
1347	BBS	900	1	Thesis Research	Kaufman	Paul
1809	BBS	900	1	Thesis Research	Keaney	John
1987	BBS	900	1	Thesis Research	Kelch	Brian
1475	BBS	900	1	Thesis Research	Kelliher	Michelle

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1889	BBS	900	1	Thesis Research	Kennedy	David
1863	BBS	900	1	Thesis Research	Khanna	Hemant
2035	BBS	900	1	Thesis Research	Khvorova	Anastasia
1749	BBS	900	1	Thesis Research	Kiefe	Catarina
3135	BBS	900	1	Thesis Research	Kim	Dohoon
1479	BBS	900	1	Thesis Research	Kim	Jason
1349	BBS	900	1	Thesis Research	King	Jean
1351	BBS	900	1	Thesis Research	Kobertz	William
1353	BBS	900	1	Thesis Research	Kornfeld	Hardy
1911	BBS	900	1	Thesis Research	Korostelev	Andrei
1355	BBS	900	1	Thesis Research	Kowalik	Timothy
1357	BBS	900	1	Thesis Research	Kurt-Jones	Evelyn
1811	BBS	900	1	Thesis Research	Landers	John
1359	BBS	900	1	Thesis Research	Lawrence	Jeanne
1361	BBS	900	1	Thesis Research	Lawson	Nathan
2119	BBS	900	1	Thesis Research	Lee	Michael
2111	BBS	900	1	Thesis Research	Lemos	Jose
1363	BBS	900	1	Thesis Research	Levitz	Stuart
1365	BBS	900	1	Thesis Research	Lewis	Brian
1367	BBS	900	1	Thesis Research	Li	Hong-Sheng
1477	BBS	900	1	Thesis Research	Li	Shaoguang
1369	BBS	900	1	Thesis Research	Libraty	Daniel
1371	BBS	900	1	Thesis Research	Lien	Egil
2023	BBS	900	1	Thesis Research	Litvak	Vladimir
1813	BBS	900	1	Thesis Research	Lois	Carlos
1373	BBS	900	1	Thesis Research	Lu	Shan
1959	BBS	900	1	Thesis Research	Luban	Jeremy
1375	BBS	900	1	Thesis Research	Luckmann	Roger
1957	BBS	900	1	Thesis Research	Maehr	Rene
1765	BBS	900	1	Thesis Research	Mandrekar	Pranoti

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1487	BBS	900	1	Thesis Research	Mao	Junhao
1961	BBS	900	1	Thesis Research	Martin	Gilles
1377	BBS	900	1	Thesis Research	Massi	Francesca
1379	BBS	900	1	Thesis Research	Matthews	Charles
1381	BBS	900	1	Thesis Research	McCollum	Dannel
1489	BBS	900	1	Thesis Research	McCormick	Beth
1383	BBS	900	1	Thesis Research	Melikian	Haley
1385	BBS	900	1	Thesis Research	Mello	Craig
1387	BBS	900	1	Thesis Research	Mercurio	Arthur
1389	BBS	900	1	Thesis Research	Miller	Stephen
3197	BBS	900	1	Thesis Research	MITCHELL	Amir Zadok
1891	BBS	900	1	Thesis Research	Moore	Constance
1391	BBS	900	1	Thesis Research	Moore	Melissa
1767	BBS	900	1	Thesis Research	Moormann	Ann
1393	BBS	900	1	Thesis Research	Morrison	Trudy
1925	BBS	900	1	Thesis Research	Muller	Christian
1395	BBS	900	1	Thesis Research	Munson	Maryann
1397	BBS	900	1	Thesis Research	Newburger	Peter
1399	BBS	900	1	Thesis Research	Ockene	Judith
3309	BBS	900	1	Thesis Research	Ortiz-Miranda	Sonia
1727	BBS	900	1	Thesis Research	Ostroff	Gary
3419	BBS	900	1	Thesis Research	PAI	Athma Anjali
1401	BBS	900	1	Thesis Research	Paydarfar	David
1403	BBS	900	1	Thesis Research	Pazour	Gregory
2113	BBS	900	1	Thesis Research	Peterson	Craig
1405	BBS	900	1	Thesis Research	Pryciak	Peter
2065	BBS	900	1	Thesis Research	Pukkila-Worley	Read
1895	BBS	900	1	Thesis Research	Punzo	Claudio
1407	BBS	900	1	Thesis Research	Ram	Sanjay
1409	BBS	900	1	Thesis Research	Rando	Oliver

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3159	BBS	900	1	Thesis Research	REBOLDI	Andrea
1411	BBS	900	1	Thesis Research	Rhind	Nicholas
1413	BBS	900	1	Thesis Research	Richter	Joel
1415	BBS	900	1	Thesis Research	Rivera Perez	Jaime
1417	BBS	900	1	Thesis Research	Rock	Kenneth
3365	BBS	900	1	Thesis Research	Rogaev	Evgeny
1419	BBS	900	1	Thesis Research	Ross	Alonzo
1815	BBS	900	1	Thesis Research	Rothstein	Ann
1421	BBS	900	1	Thesis Research	Royer	William
1423	BBS	900	1	Thesis Research	Ruiz De Luzuriaga	Katherine
1425	BBS	900	1	Thesis Research	Ryder	Sean
1427	BBS	900	1	Thesis Research	Sagerstrom	Charles
1429	BBS	900	1	Thesis Research	Sassetti	Christopher
2095	BBS	900	1	Thesis Research	Schafer	Dorothy
1431	BBS	900	1	Thesis Research	Schiffer	Celia
1745	BBS	900	1	Thesis Research	Sena Esteves	Miguel
3457	BBS	900	1	Thesis Research	Shaffer	Scott
1433	BBS	900	1	Thesis Research	Shaw	Leslie
3307	BBS	900	1	Thesis Research	Shim	Jae-Hyuck
3405	BBS	900	1	Thesis Research	SHOHET	Jason Matthew
1435	BBS	900	1	Thesis Research	Silverman	Neal
2115	BBS	900	1	Thesis Research	Sluder	Greenfield
1437	BBS	900	1	Thesis Research	Socolovsky	Merav
1439	BBS	900	1	Thesis Research	Song	Jie
2067	BBS	900	1	Thesis Research	Sontheimer	Erik
1441	BBS	900	1	Thesis Research	Stein	Gary
1443	BBS	900	1	Thesis Research	Stern	Lawrence
1897	BBS	900	1	Thesis Research	Swain	Susan
1445	BBS	900	1	Thesis Research	Szabo	Gyongyi
1447	BBS	900	1	Thesis Research	Tapper	Andrew

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1449	BBS	900	1	Thesis Research	Theurkauf	William
2069	BBS	900	1	Thesis Research	Thompson	Paul
1451	BBS	900	1	Thesis Research	Tissenbaum	Heidi
1931	BBS	900	1	Thesis Research	Trivedi	Chinmay
1453	BBS	900	1	Thesis Research	Urano	Fumihiko
1455	BBS	900	1	Thesis Research	Walhout	Albertha
1955	BBS	900	1	Thesis Research	Walker	Amy
1817	BBS	900	1	Thesis Research	Wang	Jennifer
1819	BBS	900	1	Thesis Research	Waring	Molly
3315	BBS	900	1	Thesis Research	Watts	Jonathan
1457	BBS	900	1	Thesis Research	Weaver	David
1459	BBS	900	1	Thesis Research	Welsh	Raymond
1461	BBS	900	1	Thesis Research	Weng	Zhiping
1463	BBS	900	1	Thesis Research	Wolfe	Scot
1465	BBS	900	1	Thesis Research	Woodland	Robert
1953	BBS	900	1	Thesis Research	Xiang	Yang
1467	BBS	900	1	Thesis Research	Xu	Zuoshang
2097	BBS	900	1	Thesis Research	Xue	Wen
2055	BBS	900	1	Thesis Research	Yu	Hong
1469	BBS	900	1	Thesis Research	Zamore	Phillip
1483	BBS	900	1	Thesis Research	Zeldovich	Konstantin
1471	BBS	900	1	Thesis Research	Zhang	Hong
1473	BBS	900	1	Thesis Research	ZHUGE	Ronghua
1951	BBS	900	1	Thesis Research	Ziedonis	Douglas
1491	BBS	990	1	Graduate Research	Alkema	Mark
1751	BBS	990	1	Graduate Research	Allison	Jeroan
2013	BBS	990	1	Graduate Research	Alonso	Laura
1493	BBS	990	1	Graduate Research	Ambros	Victor
3317	BBS	990	1	Graduate Research	ANACLET	Christelle
1495	BBS	990	1	Graduate Research	ANDERSON	Frederick Arthur

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
2099	BBS	990	1	Graduate Research	Aroian	Raffi
1497	BBS	990	1	Graduate Research	Aronin	Neil
3509	BBS	990	1	Graduate Research	Bach	Ingolf
1499	BBS	990	1	Graduate Research	Baehrecke	Eric
1821	BBS	990	1	Graduate Research	Bailey	Jeffrey
1989	BBS	990	1	Graduate Research	Behar	Samuel
1853	BBS	990	1	Graduate Research	Benanti	Jennifer
1823	BBS	990	1	Graduate Research	Benard	Claire
1501	BBS	990	1	Graduate Research	Berg	Leslie
1963	BBS	990	1	Graduate Research	Bergmann	Andreas
4115	BBS	990	1	Graduate Research	Bogunovic	Milena
1503	BBS	990	1	Graduate Research	Bolon	Daniel
1715	BBS	990	1	Graduate Research	Bosco	Daryl
1825	BBS	990	1	Graduate Research	Boyer	Edward
1991	BBS	990	1	Graduate Research	Brass	Abraham
1827	BBS	990	1	Graduate Research	Brehm	Michael
2057	BBS	990	1	Graduate Research	Brewer	Judson
3137	BBS	990	1	Graduate Research	Brewster	Robert
1719	BBS	990	1	Graduate Research	Brown	Robert
1505	BBS	990	1	Graduate Research	Budnik	Vivian
3321	BBS	990	1	Graduate Research	BYRNE	Alexandra Catherine
1507	BBS	990	1	Graduate Research	Cantor	Sharon
1509	BBS	990	1	Graduate Research	Carruthers	Anthony
1511	BBS	990	1	Graduate Research	Castilla	Lucio
3139	BBS	990	1	Graduate Research	Cavacini	Lisa
1829	BBS	990	1	Graduate Research	Ceol	Craig
1513	BBS	990	1	Graduate Research	CHAN	Francis Ka Ming
1515	BBS	990	1	Graduate Research	Clapham	Paul
1517	BBS	990	1	Graduate Research	Clark	Robin
1753	BBS	990	1	Graduate Research	Cooper	Marcus

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1519	BBS	990	1	Graduate Research	Corvera	Silvia
1521	BBS	990	1	Graduate Research	CZECH	Michael Paul
1523	BBS	990	1	Graduate Research	Davis	Roger
1525	BBS	990	1	Graduate Research	Dekker	Job
3459	BBS	990	1	Graduate Research	Donahue	John
1527	BBS	990	1	Graduate Research	Doxsey	Stephen
1529	BBS	990	1	Graduate Research	EMERY	Patrick
1855	BBS	990	1	Graduate Research	Fazzio	Thomas
1531	BBS	990	1	Graduate Research	Finberg	Robert
1533	BBS	990	1	Graduate Research	Fitzgerald	Katherine
4147	BBS	990	1	Graduate Research	FITZGERALD	Thomas
1535	BBS	990	1	Graduate Research	Flotte	Terence
1537	BBS	990	1	Graduate Research	Francis	Michael
1919	BBS	990	1	Graduate Research	FREEDMAN	Jane
1539	BBS	990	1	Graduate Research	Freeman	Marc
1877	BBS	990	1	Graduate Research	Futai	Kensuke
1831	BBS	990	1	Graduate Research	Gao	Fen-Biao
1543	BBS	990	1	Graduate Research	Gao	Guangping
2007	BBS	990	1	Graduate Research	Garber	Manuel
1541	BBS	990	1	Graduate Research	Gardner	Paul
3501	BBS	990	1	Graduate Research	Gilmore	James
1861	BBS	990	1	Graduate Research	Goguen	Jon
1545	BBS	990	1	Graduate Research	GOLDBERG	Robert Joel
1547	BBS	990	1	Graduate Research	Golenbock	Douglas
1549	BBS	990	1	Graduate Research	Gottlinger	Heinrich
1551	BBS	990	1	Graduate Research	Gravallese	Ellen
1553	BBS	990	1	Graduate Research	Green	Michael
3383	BBS	990	1	Graduate Research	GREER	Paul Lieberman
1555	BBS	990	1	Graduate Research	Greiner	Dale
2005	BBS	990	1	Graduate Research	Grunwald	David

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1757	BBS	990	1	Graduate Research	Guertin	David
1873	BBS	990	1	Graduate Research	Han	Gang
1903	BBS	990	1	Graduate Research	Harris	John
3217	BBS	990	1	Graduate Research	Haynes	Cole
1557	BBS	990	1	Graduate Research	Hayward	Lawrence
4099	BBS	990	1	Graduate Research	Henninger	Nils
2047	BBS	990	1	Graduate Research	Huh	Jun
1559	BBS	990	1	Graduate Research	Huseby	Eric
1561	BBS	990	1	Graduate Research	Imbalzano	Anthony
1563	BBS	990	1	Graduate Research	Ip	Yicktung
3319	BBS	990	1	Graduate Research	IRAZOQUI	Javier Elbio
1565	BBS	990	1	Graduate Research	Jacobson	Allan
4100	BBS	990	1	Graduate Research	JOHNSON	Mark Damone
2025	BBS	990	1	Graduate Research	Jones	Peter
1567	BBS	990	1	Graduate Research	Jones	Stephen
1569	BBS	990	1	Graduate Research	Kang	Joonsoo
2101	BBS	990	1	Graduate Research	Karlsson	Elinor
1571	BBS	990	1	Graduate Research	Kaufman	Paul
1833	BBS	990	1	Graduate Research	Keaney	John
1993	BBS	990	1	Graduate Research	Kelch	Brian
1573	BBS	990	1	Graduate Research	Kelliher	Michelle
1899	BBS	990	1	Graduate Research	Kennedy	David
1865	BBS	990	1	Graduate Research	Khanna	Hemant
2037	BBS	990	1	Graduate Research	Khvorova	Anastasia
1759	BBS	990	1	Graduate Research	Kiefe	Catarina
3141	BBS	990	1	Graduate Research	Kim	Dohoon
1713	BBS	990	1	Graduate Research	Kim	Jason
1575	BBS	990	1	Graduate Research	King	Jean
1579	BBS	990	1	Graduate Research	Kobertz	William
1581	BBS	990	1	Graduate Research	Kornfeld	Hardy

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
1913	BBS	990	1	Graduate Research	Korostelev	Andrei
1583	BBS	990	1	Graduate Research	Kowalik	Timothy
1585	BBS	990	1	Graduate Research	Kurt-Jones	Evelyn
1835	BBS	990	1	Graduate Research	Landers	John
1587	BBS	990	1	Graduate Research	Lawrence	Jeanne
1589	BBS	990	1	Graduate Research	Lawson	Nathan
2041	BBS	990	1	Graduate Research	Lee	Michael
1591	BBS	990	1	Graduate Research	Lemos	Jose
1593	BBS	990	1	Graduate Research	Levitz	Stuart
1595	BBS	990	1	Graduate Research	Lewis	Brian
1597	BBS	990	1	Graduate Research	Li	Hong-Sheng
1711	BBS	990	1	Graduate Research	Li	Shaoguang
1599	BBS	990	1	Graduate Research	Libraty	Daniel
1601	BBS	990	1	Graduate Research	Lien	Egil
2027	BBS	990	1	Graduate Research	Litvak	Vladimir
1837	BBS	990	1	Graduate Research	Lois	Carlos
1603	BBS	990	1	Graduate Research	Lu	Shan
1973	BBS	990	1	Graduate Research	Luban	Jeremy
1605	BBS	990	1	Graduate Research	Luckmann	Roger
1971	BBS	990	1	Graduate Research	Maehr	Rene
1769	BBS	990	1	Graduate Research	Mandrekar	Pranoti
1721	BBS	990	1	Graduate Research	Mao	Junhao
1975	BBS	990	1	Graduate Research	Martin	Gilles
1607	BBS	990	1	Graduate Research	Massi	Francesca
1609	BBS	990	1	Graduate Research	Matthews	Charles
1611	BBS	990	1	Graduate Research	McCollum	Dannel
1723	BBS	990	1	Graduate Research	McCormick	Beth
1613	BBS	990	1	Graduate Research	Melikian	Haley
1615	BBS	990	1	Graduate Research	Mello	Craig
1617	BBS	990	1	Graduate Research	Mercurio	Arthur

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1619	BBS	990	1	Graduate Research	Miller	Stephen
3201	BBS	990	1	Graduate Research	MITCHELL	Amir Zadok
1901	BBS	990	1	Graduate Research	Moore	Constance
1621	BBS	990	1	Graduate Research	Moore	Melissa
1771	BBS	990	1	Graduate Research	Moormann	Ann
1623	BBS	990	1	Graduate Research	Morrison	Trudy
1927	BBS	990	1	Graduate Research	Muller	Christian
1625	BBS	990	1	Graduate Research	Munson	Maryann
1627	BBS	990	1	Graduate Research	Newburger	Peter
1629	BBS	990	1	Graduate Research	Ockene	Judith
3325	BBS	990	1	Graduate Research	Ortiz-Miranda	Sonia
1729	BBS	990	1	Graduate Research	Ostroff	Gary
3421	BBS	990	1	Graduate Research	PAI	Athma Anjali
1631	BBS	990	1	Graduate Research	Paydarfar	David
1633	BBS	990	1	Graduate Research	Pazour	Gregory
1635	BBS	990	1	Graduate Research	Peterson	Craig
1637	BBS	990	1	Graduate Research	Pryciak	Peter
2077	BBS	990	1	Graduate Research	Pukkila-Worley	Read
1905	BBS	990	1	Graduate Research	Punzo	Claudio
1639	BBS	990	1	Graduate Research	Ram	Sanjay
1641	BBS	990	1	Graduate Research	Rando	Oliver
3163	BBS	990	1	Graduate Research	REBOLDI	Andrea
1643	BBS	990	1	Graduate Research	Rhind	Nicholas
1645	BBS	990	1	Graduate Research	Richter	Joel
1647	BBS	990	1	Graduate Research	Rivera Perez	Jaime
1649	BBS	990	1	Graduate Research	Rock	Kenneth
3367	BBS	990	1	Graduate Research	Rogaev	Evgeny
1651	BBS	990	1	Graduate Research	Ross	Alonzo
1839	BBS	990	1	Graduate Research	Rothstein	Ann
1653	BBS	990	1	Graduate Research	Royer	William

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1655	BBS	990	1	Graduate Research	Ruiz De Luzuriaga	Katherine
1657	BBS	990	1	Graduate Research	Ryder	Sean
1659	BBS	990	1	Graduate Research	Sagerstrom	Charles
1661	BBS	990	1	Graduate Research	Sassetti	Christopher
2103	BBS	990	1	Graduate Research	Schafer	Dorothy
1663	BBS	990	1	Graduate Research	Schiffer	Celia
1665	BBS	990	1	Graduate Research	Selin	Liisa
1755	BBS	990	1	Graduate Research	Sena Esteves	Miguel
3461	BBS	990	1	Graduate Research	Shaffer	Scott
1667	BBS	990	1	Graduate Research	Shaw	Leslie
3323	BBS	990	1	Graduate Research	Shim	Jae-Hyuck
1669	BBS	990	1	Graduate Research	Silverman	Neal
1671	BBS	990	1	Graduate Research	Sluder	Greenfield
1673	BBS	990	1	Graduate Research	Socolovsky	Merav
1675	BBS	990	1	Graduate Research	Song	Jie
2079	BBS	990	1	Graduate Research	Sontheimer	Erik
1677	BBS	990	1	Graduate Research	Stein	Gary
1679	BBS	990	1	Graduate Research	Stern	Lawrence
1907	BBS	990	1	Graduate Research	Swain	Susan
1681	BBS	990	1	Graduate Research	Szabo	Gyongyi
1683	BBS	990	1	Graduate Research	Tapper	Andrew
1685	BBS	990	1	Graduate Research	Theurkauf	William
2081	BBS	990	1	Graduate Research	Thompson	Paul
1687	BBS	990	1	Graduate Research	Tissenbaum	Heidi
1929	BBS	990	1	Graduate Research	Trivedi	Chinmay
1689	BBS	990	1	Graduate Research	Urano	Fumihiko
1691	BBS	990	1	Graduate Research	Walhout	Albertha
1969	BBS	990	1	Graduate Research	Walker	Amy
1841	BBS	990	1	Graduate Research	Wang	Jennifer
1843	BBS	990	1	Graduate Research	Waring	Molly

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
<b>3205</b>	BBS	990	1	Graduate Research	Watts	Jonathan
<b>1693</b>	BBS	990	1	Graduate Research	Weaver	David
<b>1695</b>	BBS	990	1	Graduate Research	Welsh	Raymond
<b>1697</b>	BBS	990	1	Graduate Research	Weng	Zhiping
<b>1699</b>	BBS	990	1	Graduate Research	Wolfe	Scot
<b>1701</b>	BBS	990	1	Graduate Research	Woodland	Robert
<b>1967</b>	BBS	990	1	Graduate Research	Xiang	Yang
<b>1703</b>	BBS	990	1	Graduate Research	Xu	Zuoshang
<b>2105</b>	BBS	990	1	Graduate Research	Xue	Wen
<b>2059</b>	BBS	990	1	Graduate Research	Yu	Hong
<b>1705</b>	BBS	990	1	Graduate Research	Zamore	Phillip
<b>1717</b>	BBS	990	1	Graduate Research	Zeldovich	Konstantin
<b>1707</b>	BBS	990	1	Graduate Research	Zhang	Hong
<b>1709</b>	BBS	990	1	Graduate Research	ZHUGE	Ronghua
<b>1965</b>	BBS	990	1	Graduate Research	Ziedonis	Douglas

## Clinical & Translational Sciences Non-Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3525	CTS	602A	CPH	Adv Epidemiology & Res Mthds	Jesdale	William
3867	CTS	603A	CPH	Generalized Linear Models	Person	Sharina
3741	CTS	605A	ERL	Intro to Clinical & Trans Research	BAEK	Jong Gyu
3517	CTS	611	CPH	Scientific Writing	GOLDBERG	Robert Joel
4080	CTS	620	CPH	Clin & Trans Research Sem	Kiefe	Catarina
3519	CTS	702	CPH	Ethics for Clinical Research	Dube	Catherine
4081	CTS	725	CPH	Intro. US Hlthcare Sys:Policy.	Clark	Robin
4082	CTS	726	CPH	Design/Conduct StudChronic Dis	Epstein	Mara
4118	CTS	731	CPH	Behavioral Determinants	Rosal	Milagros
4119	CTS	734	CPH	Place and Health	Jesdale	William
4120	CTS	735	CPH	Intro.Implementation Science	Hogan	Timothy
3515	CTS	799	CPH	Independent Study	Lapane	Kate
3899	CTS	799	CPH	Independent Study	Jesdale	William
3911	CTS	799	CPH	Independent Study	Friedmann	Peter
4116	CTS	799	CPH	Independent Study	Nunes	Anthony
4117	CTS	799	CPH	Independent Study	BAEK	Jong Gyu
3523	CTS	799	CPH	Independent Study	GOLDBERG	Robert Joel
3787	CTS	799	CPH	Independent Study	Person	Sharina
3799	CTS	799	CPH	Independent Study	Epstein	Mara
3791	CTS	799	CPH	Independent Study	Ockene	Judith
3793	CTS	799	CPH	Independent Study	Ash	Arlene
3857	CTS	799	CPH	Independent Study	Allison	Jeroan
3859	CTS	799	CPH	Independent Study	LIU	Shao-Hsien
3889	CTS	799	CPH	Independent Study	Ulbricht	Christine
4121	CTS	802	CPH	Journal Club	GOLDBERG	Robert Joel
4122	CTS	855	CPH	Research Seminar	GOLDBERG	Robert Joel
3865	CTS	860A	CTS	Written Qualifying Exam	Lapane	Kate
4123	CTS	860B	CTS	Oral Qualifying Exam	Lapane	Kate
3529	CTS	865	CPH	CTS TRAC MEETING	Lapane	Kate

## Clinical & Translational Sciences Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3829	CTS	850	CTS	Research Assistantship	Aidlen	Jeremy
3641	CTS	850	CTS	Research Assistantship	Alavi	Karim
4124	CTS	850	CTS	Research Assistantship	ALCUSKY	Matthew James
3543	CTS	850	CTS	Research Assistantship	Allison	Jeroan
3709	CTS	850	CTS	Research Assistantship	ANDERSON	Frederick Arthur
3703	CTS	850	CTS	Research Assistantship	Ash	Arlene
3539	CTS	850	CTS	Research Assistantship	Boudreaux	Edwin
3679	CTS	850	CTS	Research Assistantship	Brewer	Judson
3839	CTS	850	ERL	Research Assistantship	Brewer	Judson
3873	CTS	850	CTS	Research Assistantship	Byatt	Nancy
3711	CTS	850	CTS	Research Assistantship	Clark	Robin
3643	CTS	850	CTS	Research Assistantship	Epstein	Mara
3903	CTS	850	CTS	Research Assistantship	Friedmann	Peter
3541	CTS	850	CTS	Research Assistantship	GOLDBERG	Robert Joel
3881	CTS	850	ERL	Research Assistantship	GOLDBERG	Robert Joel
3717	CTS	850	CTS	Research Assistantship	Harlan	David
3895	CTS	850	CTS	Research Assistantship	Houston	Thomas
3733	CTS	850	CTS	Research Assistantship	Kiefe	Catarina
3743	CTS	850	ERL	Research Assistantship	Kiefe	Catarina
3537	CTS	850	CTS	Research Assistantship	Lapane	Kate
3883	CTS	850	ERL	Research Assistantship	Lapane	Kate
3705	CTS	850	CTS	Research Assistantship	Lemon	Stephenie
4160	CTS	850	ERL	Research Assistantship	Lemon	Stephenie
3707	CTS	850	CTS	Research Assistantship	Luckmann	Roger
3661	CTS	850	CTS	Research Assistantship	Mattocks	Kristin
3869	CTS	850	CTS	Research Assistantship	Mazor	Kathleen
3769	CTS	850	CTS	Research Assistantship	McManus	David
3547	CTS	850	CTS	Research Assistantship	Mick	Eric

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3739	CTS	850	CTS	Research Assistantship	Moormann	Ann
3545	CTS	850	CTS	Research Assistantship	Ockene	Judith
3737	CTS	850	CTS	Research Assistantship	Pagoto	Sherry
3535	CTS	850	CTS	Research Assistantship	Person	Sharina
3669	CTS	850	CTS	Research Assistantship	Rosal	Milagros
3533	CTS	850	CTS	Research Assistantship	Rosen	Allison
3735	CTS	850	CTS	Research Assistantship	Saczynski	Jane
4103	CTS	850	CTS	Research Assistantship	Sadasivam	Rajani
3849	CTS	850	CTS	Research Assistantship	Ulbricht	Christine
3667	CTS	850	CTS	Research Assistantship	Waring	Molly
3681	CTS	850	CTS	Research Assistantship	Yu	Hong
3731	CTS	850	CTS	Research Assistantship	Ziedonis	Douglas
3831	CTS	870	CTS	Pre-Thesis Research	Aidlen	Jeremy
3789	CTS	870	CTS	Pre-Thesis Research	Alavi	Karim
4125	CTS	870	CTS	Pre-Thesis Research	ALCUSKY	Matthew James
3841	CTS	870	CTS	Pre-Thesis Research	Allison	Jeroan
3875	CTS	870	CTS	Pre-Thesis Research	Byatt	Nancy
3901	CTS	870	CTS	Pre-Thesis Research	Epstein	Mara
3905	CTS	870	CTS	Pre-Thesis Research	Friedmann	Peter
3765	CTS	870	CTS	Pre-Thesis Research	GOLDBERG	Robert Joel
3809	CTS	870	ERL	Pre-Thesis Research	GOLDBERG	Robert Joel
3891	CTS	870	CTS	Pre-Thesis Research	Houston	Thomas
3763	CTS	870	CTS	Pre-Thesis Research	Kiefe	Catarina
3767	CTS	870	CTS	Pre-Thesis Research	Lapane	Kate
3759	CTS	870	CTS	Pre-Thesis Research	Lemon	Stephenie
3843	CTS	870	CTS	Pre-Thesis Research	Mattocks	Kristin
3871	CTS	870	CTS	Pre-Thesis Research	Mazor	Kathleen
3795	CTS	870	CTS	Pre-Thesis Research	McCormick	Beth
3771	CTS	870	CTS	Pre-Thesis Research	McManus	David
3761	CTS	870	CTS	Pre-Thesis Research	Ockene	Judith

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3783	CTS	870	CTS	Pre-Thesis Research	Pagoto	Sherry
3785	CTS	870	CTS	Pre-Thesis Research	Person	Sharina
3797	CTS	870	CTS	Pre-Thesis Research	Rosal	Milagros
4104	CTS	870	CTS	Pre-Thesis Research	Sadasivam	Rajani
3897	CTS	870	CTS	Pre-Thesis Research	Tjia	Jennifer
3851	CTS	870	CTS	Pre-Thesis Research	Ulbricht	Christine
3833	CTS	900	CTS	Thesis Research	Aidlen	Jeremy
3645	CTS	900	CTS	Thesis Research	Alavi	Karim
4126	CTS	900	CTS	Thesis Research	ALCUSKY	Matthew James
3555	CTS	900	CTS	Thesis Research	Allison	Jeroan
3815	CTS	900	CTS	Thesis Research	ANACLET	Christelle
3553	CTS	900	CTS	Thesis Research	ANDERSON	Frederick Arthur
3569	CTS	900	CTS	Thesis Research	Ash	Arlene
3683	CTS	900	CTS	Thesis Research	Brewer	Judson
3877	CTS	900	CTS	Thesis Research	Byatt	Nancy
3551	CTS	900	CTS	Thesis Research	Clark	Robin
3647	CTS	900	CTS	Thesis Research	Epstein	Mara
3907	CTS	900	CTS	Thesis Research	Friedmann	Peter
3557	CTS	900	CTS	Thesis Research	GOLDBERG	Robert Joel
3719	CTS	900	CTS	Thesis Research	Harlan	David
3817	CTS	900	CTS	Thesis Research	IRAZOQUI	Javier Elbio
3729	CTS	900	CTS	Thesis Research	Kiefe	Catarina
3565	CTS	900	CTS	Thesis Research	King	Jean
3887	CTS	900	CTS	Thesis Research	LAFEMINA	Jennifer
3575	CTS	900	CTS	Thesis Research	Lapane	Kate
3559	CTS	900	CTS	Thesis Research	Lemon	Stephenie
3549	CTS	900	CTS	Thesis Research	Luckmann	Roger
3663	CTS	900	CTS	Thesis Research	Mattocks	Kristin
3773	CTS	900	CTS	Thesis Research	McManus	David
3577	CTS	900	CTS	Thesis Research	Mick	Eric

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3571	CTS	900	CTS	Thesis Research	Moore	Constance
3845	CTS	900	CTS	Thesis Research	Ockene	Judith
3563	CTS	900	CTS	Thesis Research	Paydarfar	David
3567	CTS	900	CTS	Thesis Research	Person	Sharina
3671	CTS	900	CTS	Thesis Research	Rosal	Milagros
3561	CTS	900	CTS	Thesis Research	Rosen	Allison
3573	CTS	900	CTS	Thesis Research	Saczynski	Jane
4106	CTS	900	CTS	Thesis Research	Sadasivam	Rajani
3853	CTS	900	CTS	Thesis Research	Ulbricht	Christine
3713	CTS	900	CTS	Thesis Research	Waring	Molly
3819	CTS	900	CTS	Thesis Research	Watts	Jonathan
3685	CTS	900	CTS	Thesis Research	Yu	Hong
3727	CTS	900	CTS	Thesis Research	Ziedonis	Douglas
3835	CTS	990	CTS	Graduate Research	Aidlen	Jeremy
3649	CTS	990	CTS	Graduate Research	Alavi	Karim
4127	CTS	990	CTS	Graduate Research	ALCUSKY	Matthew James
3599	CTS	990	CTS	Graduate Research	Allison	Jeroan
3821	CTS	990	CTS	Graduate Research	ANACLET	Christelle
3593	CTS	990	CTS	Graduate Research	ANDERSON	Frederick Arthur
3531	CTS	990	CTS	Graduate Research	Ash	Arlene
3615	CTS	990	CTS	Graduate Research	Bandini	Linda
3689	CTS	990	CTS	Graduate Research	Bova	Carol
3687	CTS	990	CTS	Graduate Research	Brewer	Judson
3879	CTS	990	CTS	Graduate Research	Byatt	Nancy
3755	CTS	990	CTS	Graduate Research	Clark	Melissa
3587	CTS	990	CTS	Graduate Research	Clark	Robin
3751	CTS	990	CTS	Graduate Research	Deligiannidis	Kristina
3629	CTS	990	CTS	Graduate Research	DIFRANZA	Joseph
3823	CTS	990	CTS	Graduate Research	Donahue	John
3691	CTS	990	CTS	Graduate Research	Dube	Catherine

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3651	CTS	990	CTS	Graduate Research	Epstein	Mara
3595	CTS	990	CTS	Graduate Research	Etzel	Lori
3693	CTS	990	CTS	Graduate Research	Fang	Hua
3605	CTS	990	CTS	Graduate Research	FIELD	Terry
3601	CTS	990	CTS	Graduate Research	Fisher	William
3607	CTS	990	CTS	Graduate Research	Franklin	Patricia
3611	CTS	990	CTS	Graduate Research	Frazier	Jean
3909	CTS	990	CTS	Graduate Research	Friedmann	Peter
3603	CTS	990	CTS	Graduate Research	GOLDBERG	Robert Joel
3721	CTS	990	CTS	Graduate Research	Harlan	David
3695	CTS	990	CTS	Graduate Research	Hoaglin	David
3697	CTS	990	CTS	Graduate Research	Hogan	Timothy
3617	CTS	990	CTS	Graduate Research	Houston	Thomas
3825	CTS	990	CTS	Graduate Research	IRAZOQUI	Javier Elbio
3723	CTS	990	CTS	Graduate Research	Kiefe	Catarina
3621	CTS	990	CTS	Graduate Research	King	Jean
3677	CTS	990	CTS	Graduate Research	LAFEMINA	Jennifer
3637	CTS	990	CTS	Graduate Research	Lapane	Kate
3609	CTS	990	CTS	Graduate Research	Lemon	Stephenie
3585	CTS	990	CTS	Graduate Research	Lilly	Craig
3583	CTS	990	CTS	Graduate Research	Luckmann	Roger
3653	CTS	990	CTS	Graduate Research	Madison	John
3591	CTS	990	CTS	Graduate Research	Madoff	Lawrence
3625	CTS	990	CTS	Graduate Research	Marsh	Wendy
3801	CTS	990	CTS	Graduate Research	MARTINS	Paulo
3665	CTS	990	CTS	Graduate Research	Mattocks	Kristin
3863	CTS	990	CTS	Graduate Research	Mazor	Kathleen
3579	CTS	990	CTS	Graduate Research	McLaughlin	Thomas
3775	CTS	990	CTS	Graduate Research	McManus	David
3639	CTS	990	CTS	Graduate Research	Mick	Eric

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
3631	CTS	990	CTS	Graduate Research	Moore	Constance
3597	CTS	990	CTS	Graduate Research	Ockene	Ira
3847	CTS	990	CTS	Graduate Research	Ockene	Judith
3655	CTS	990	CTS	Graduate Research	OLENDZKI	Barbara
3619	CTS	990	CTS	Graduate Research	Paydarfar	David
3623	CTS	990	CTS	Graduate Research	Person	Sharina
3581	CTS	990	CTS	Graduate Research	Reed	George
3673	CTS	990	CTS	Graduate Research	Rosal	Milagros
3613	CTS	990	CTS	Graduate Research	Rosen	Allison
3699	CTS	990	CTS	Graduate Research	Rosen	Amy
3589	CTS	990	CTS	Graduate Research	Rothman	Alan
3633	CTS	990	CTS	Graduate Research	Saczynski	Jane
4108	CTS	990	CTS	Graduate Research	Sadasivam	Rajani
3657	CTS	990	CTS	Graduate Research	Santry	Heena
3627	CTS	990	CTS	Graduate Research	Schneider	Kristin
3805	CTS	990	CTS	Graduate Research	Smelson	David
3659	CTS	990	CTS	Graduate Research	Spencer	Frederick
3855	CTS	990	CTS	Graduate Research	Ulbricht	Christine
3635	CTS	990	CTS	Graduate Research	Ware	John
3715	CTS	990	CTS	Graduate Research	Waring	Molly
3827	CTS	990	CTS	Graduate Research	Watts	Jonathan
3701	CTS	990	CTS	Graduate Research	Yu	Hong
3725	CTS	990	CTS	Graduate Research	Ziedonis	Douglas

## Health Sciences Preparatory Program Courses

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3913	HSP	500	HSM	Building Working Cells & Tissu	Royer	William
3917	HSP	502A	HSM	Med Physiology & Histology A	DAS	Manas
3915	HSP	504A	HSM	Academic Achievement A	Hines	Deborah

## MD/PhD Program Courses

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3103	BBS	865	MDP	BBS TRAC Meeting	Lane	Mary
3259	BBS	870	MDP	Prequalifying Research	Baehrecke	Eric
3261	BBS	870	MDP	Prequalifying Research	Boudreaux	Edwin
4154	BBS	870	MDP	Prequalifying Research	Brehm	Michael
4155	BBS	870	MDP	Prequalifying Research	Haynes	Cole
4093	BBS	870	MDP	Prequalifying Research	Henninger	Nils
4094	BBS	870	MDP	Prequalifying Research	JOHNSON	Mark Damone
3263	BBS	870	MDP	Prequalifying Research	Khvorova	Anastasia
4157	BBS	870	MDP	Prequalifying Research	Pazour	Gregory
4153	BBS	870	MDP	Prequalifying Research	Peterson	Craig
3265	BBS	870	MDP	Prequalifying Research	Peterson	Craig
3267	BBS	870	MDP	Prequalifying Research	Pukkila-Worley	Read
3269	BBS	870	MDP	Prequalifying Research	Rhind	Nicholas
4156	BBS	870	MDP	Prequalifying Research	Richter	Joel
3423	BBS	870	MDP	Prequalifying Research	SHOHET	Jason Matthew
3387	BBS	870	MDP	Prequalifying Research	Sontheimer	Erik
3271	BBS	870	MDP	Prequalifying Research	Weng	Zhiping
3273	BBS	870	MDP	Prequalifying Research	Xue	Wen
3275	BBS	900	MDP	Thesis Research	Alonso	Laura
3477	BBS	900	MDP	Thesis Research	ANACLET	Christelle
3485	BBS	900	MDP	Thesis Research	Baehrecke	Eric
3475	BBS	900	MDP	Thesis Research	Boudreaux	Edwin
3169	BBS	900	MDP	Thesis Research	Ceol	Craig

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4131	BBS	900	MDP	Thesis Research	EMERY	Patrick
4132	BBS	900	MDP	Thesis Research	Fitzgerald	Katherine
3471	BBS	900	MDP	Thesis Research	Futai	Kensuke
3279	BBS	900	MDP	Thesis Research	Harris	John
4097	BBS	900	MDP	Thesis Research	Henninger	Nils
3281	BBS	900	MDP	Thesis Research	Huh	Jun
3331	BBS	900	MDP	Thesis Research	IRAZOQUI	Javier Elbio
4098	BBS	900	MDP	Thesis Research	JOHNSON	Mark Damone
4133	BBS	900	MDP	Thesis Research	Kelliher	Michelle
3473	BBS	900	MDP	Thesis Research	Khvorova	Anastasia
3167	BBS	900	MDP	Thesis Research	Lee	Michael
3397	BBS	900	MDP	Thesis Research	Luban	Jeremy
3283	BBS	900	MDP	Thesis Research	McCormick	Beth
3341	BBS	900	MDP	Thesis Research	McManus	David
4134	BBS	900	MDP	Thesis Research	Melikian	Haley
3285	BBS	900	MDP	Thesis Research	Mercurio	Arthur
3175	BBS	900	MDP	Thesis Research	Moore	Melissa
3469	BBS	900	MDP	Thesis Research	Peterson	Craig
3479	BBS	900	MDP	Thesis Research	Pukkila-Worley	Read
3171	BBS	900	MDP	Thesis Research	Richter	Joel
4135	BBS	900	MDP	Thesis Research	Rothstein	Ann
3173	BBS	900	MDP	Thesis Research	Sassetti	Christopher
3277	BBS	900	MDP	Thesis Research	Schafer	Dorothy
3483	BBS	900	MDP	Thesis Research	Sontheimer	Erik
3429	BBS	900	MDP	Thesis Research	WANG	Bo
3333	BBS	900	MDP	Thesis Research	Watts	Jonathan
3481	BBS	900	MDP	Thesis Research	Weng	Zhiping
3487	BBS	900	MDP	Thesis Research	Xue	Wen
3499	BBS	990	MDP	Graduate Research	Alonso	Laura
3335	BBS	990	MDP	Graduate Research	ANACLET	Christelle

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3063	BBS	990	MDP	Graduate Research	Aronin	Neil
4136	BBS	990	MDP	Graduate Research	Baehrecke	Eric
3101	BBS	990	MDP	Graduate Research	Behar	Samuel
3185	BBS	990	MDP	Graduate Research	Bosco	Daryl
3143	BBS	990	MDP	Graduate Research	Brewster	Robert
3067	BBS	990	MDP	Graduate Research	Brown	Robert
3345	BBS	990	MDP	Graduate Research	BYRNE	Alexandra Catherine
3145	BBS	990	MDP	Graduate Research	Cavacini	Lisa
3391	BBS	990	MDP	Graduate Research	Ceol	Craig
3097	BBS	990	MDP	Graduate Research	Cooper	Marcus
4138	BBS	990	MDP	Graduate Research	Futai	Kensuke
3069	BBS	990	MDP	Graduate Research	Gardner	Paul
3071	BBS	990	MDP	Graduate Research	Golenbock	Douglas
3099	BBS	990	MDP	Graduate Research	Gravallese	Ellen
3385	BBS	990	MDP	Graduate Research	GREER	Paul Lieberman
3181	BBS	990	MDP	Graduate Research	Guertin	David
3187	BBS	990	MDP	Graduate Research	Harris	John
3219	BBS	990	MDP	Graduate Research	Haynes	Cole
4101	BBS	990	MDP	Graduate Research	Henninger	Nils
3337	BBS	990	MDP	Graduate Research	IRAZOQUI	Javier Elbio
4102	BBS	990	MDP	Graduate Research	JOHNSON	Mark Damone
4142	BBS	990	MDP	Graduate Research	Khvorova	Anastasia
3147	BBS	990	MDP	Graduate Research	Kim	Dohoon
3073	BBS	990	MDP	Graduate Research	Kurt-Jones	Evelyn
3065	BBS	990	MDP	Graduate Research	Lane	Mary
3177	BBS	990	MDP	Graduate Research	Lawrence	Jeanne
3389	BBS	990	MDP	Graduate Research	Lee	Michael
3075	BBS	990	MDP	Graduate Research	Levitz	Stuart
3077	BBS	990	MDP	Graduate Research	Li	Hong-Sheng
3079	BBS	990	MDP	Graduate Research	Lien	Egil

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3497	BBS	990	MDP	Graduate Research	Luban	Jeremy
3493	BBS	990	MDP	Graduate Research	McCormick	Beth
3343	BBS	990	MDP	Graduate Research	McManus	David
3489	BBS	990	MDP	Graduate Research	Mercurio	Arthur
3199	BBS	990	MDP	Graduate Research	MITCHELL	Amir Zadok
3327	BBS	990	MDP	Graduate Research	Ortiz-Miranda	Sonia
3289	BBS	990	MDP	Graduate Research	Pazour	Gregory
4139	BBS	990	MDP	Graduate Research	Peterson	Craig
4140	BBS	990	MDP	Graduate Research	Pukkila-Worley	Read
3161	BBS	990	MDP	Graduate Research	REBOLDI	Andrea
3081	BBS	990	MDP	Graduate Research	Rhind	Nicholas
3083	BBS	990	MDP	Graduate Research	Richter	Joel
3179	BBS	990	MDP	Graduate Research	Rock	Kenneth
3369	BBS	990	MDP	Graduate Research	Rogaev	Evgeny
3291	BBS	990	MDP	Graduate Research	Sassetti	Christopher
3491	BBS	990	MDP	Graduate Research	Schafer	Dorothy
3085	BBS	990	MDP	Graduate Research	Schiffer	Celia
3087	BBS	990	MDP	Graduate Research	Shaw	Leslie
3347	BBS	990	MDP	Graduate Research	Shim	Jae-Hyuck
3407	BBS	990	MDP	Graduate Research	SHOHET	Jason Matthew
3089	BBS	990	MDP	Graduate Research	Song	Jie
4141	BBS	990	MDP	Graduate Research	Sontheimer	Erik
3091	BBS	990	MDP	Graduate Research	Szabo	Gyongyi
3183	BBS	990	MDP	Graduate Research	Trivedi	Chinmay
3105	BBS	990	MDP	Graduate Research	Walhout	Albertha
3427	BBS	990	MDP	Graduate Research	WANG	Bo
3339	BBS	990	MDP	Graduate Research	Watts	Jonathan
3093	BBS	990	MDP	Graduate Research	Weng	Zhiping
3495	BBS	990	MDP	Graduate Research	Xue	Wen
3095	BBS	990	MDP	Graduate Research	Zamore	Phillip

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4158	CTS	870	MDP	Pre-Thesis Research	Ash	Arlene
3811	CTS	870	MDP	Pre-Thesis Research	Lapane	Kate
3813	CTS	870	MDP	Pre-Thesis Research	McManus	David
4105	CTS	870	MDP	Pre-Thesis Research	Sadasivam	Rajani
4159	CTS	870	MDP	Pre-Thesis Research	Ulbricht	Christine
4143	CTS	900	MDP	Thesis Research	Friedmann	Peter
4107	CTS	900	MDP	Thesis Research	Sadasivam	Rajani
3837	CTS	990	MDP	Graduate Research	Aidlen	Jeremy
3745	CTS	990	MDP	Graduate Research	Allison	Jeroan
3747	CTS	990	MDP	Graduate Research	ANDERSON	Frederick Arthur
3757	CTS	990	MDP	Graduate Research	Clark	Melissa
3749	CTS	990	MDP	Graduate Research	Clark	Robin
3753	CTS	990	MDP	Graduate Research	Deligiannidis	Kristina
3779	CTS	990	MDP	Graduate Research	Kiefe	Catarina
4144	CTS	990	MDP	Graduate Research	Lapane	Kate
3781	CTS	990	MDP	Graduate Research	Luckmann	Roger
3803	CTS	990	MDP	Graduate Research	MARTINS	Paulo
3861	CTS	990	MDP	Graduate Research	Mazor	Kathleen
3777	CTS	990	MDP	Graduate Research	McManus	David
4109	CTS	990	MDP	Graduate Research	Sadasivam	Rajani
3807	CTS	990	MDP	Graduate Research	Smelson	David
4001	MDP	741	MDP	Intro. to Translational Med	Corvera	Silvia
4003	MDP	742	MDP	MD/PhD HIPAA & OSHA Cert.	Michelson	Anne
4007	MDP	744	MDP	MD/PhD Learning Communities	Corvera	Silvia
4005	MDP	800	MDP	MD/PhD Seminar	Michelson	Anne
3999	MDP	990	MDP	MD/PhD Grad.Res.Stu Post-Disse	Michelson	Anne
3921	MDP	740A	MDP	Dev. Solutions Res.Prob.A Yr1	Corvera	Silvia
3987	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Alonso	Laura
4029	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	ANACLET	Christelle
4065	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ash	Arlene

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4017	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Baehrecke	Eric
4041	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Bailey	Jeffrey
4043	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Berg	Leslie
3955	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Bosco	Daryl
3995	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Brehm	Michael
4051	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Caffrey	Daniel
3965	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ceol	Craig
3969	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Corvera	Silvia
4009	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Deligiannidis	Kristina
4031	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Donahue	John
4049	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Dube	Catherine
3961	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Epstein	Mara
3991	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Fitzgerald	Katherine
4023	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Francis	Michael
3971	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	GOLDBERG	Robert Joel
3947	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Grigg	Peter
3953	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Guertin	David
3933	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Harris	John
4061	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Haynes	Cole
4033	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	IRAZOQUI	Javier Elbio
4045	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Keaney	John
4039	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Kelliher	Michelle
3957	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Khanna	Hemant
4011	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Khvorova	Anastasia
3939	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Lawrence	Jeanne
3967	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Lee	Michael
3935	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Levitz	Stuart
3949	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Luckmann	Roger
4037	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	McCormick	Beth
4019	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	McManus	David

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4047	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Melikian	Haley
3989	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Mercurio	Arthur
3973	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Moore	Melissa
3945	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Paydarfar	David
4059	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Pazour	Gregory
4015	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Peterson	Craig
3977	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Pukkila-Worley	Read
4025	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Rhind	Nicholas
4063	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Richter	Joel
3941	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sassetti	Christopher
3993	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Schafer	Dorothy
3937	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Schiffer	Celia
3951	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sena Esteves	Miguel
3929	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Shaw	Leslie
4055	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	SHOHET	Jason Matthew
3979	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sontheimer	Erik
3963	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Szabo	Gyongyi
4027	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Tapper	Andrew
3981	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Thompson	Paul
3959	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Tjia	Jennifer
3943	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Trivedi	Chinmay
4053	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ulbricht	Christine
3927	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Walhout	Albertha
3975	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Walz	Jens
4057	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	WANG	Bo
3983	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Wang	Donghai
3997	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ward	Doyle
4035	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Watts	Jonathan
4021	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Weng	Zhiping
3931	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Woodland	Robert

<b>Class No.</b>	<b>Subject</b>	<b>Catalog</b>	<b>Session</b>	<b>Description</b>	<b>Faculty Last</b>	<b>Faculty First</b>
<b>3985</b>	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Xue	Wen
<b>3925</b>	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Zhang	Nanyin
<b>4013</b>	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ziedonis	Douglas
<b>3923</b>	MDP	740C	MDP	Dev. Solutions Res.Prob.C Yr3	Corvera	Silvia