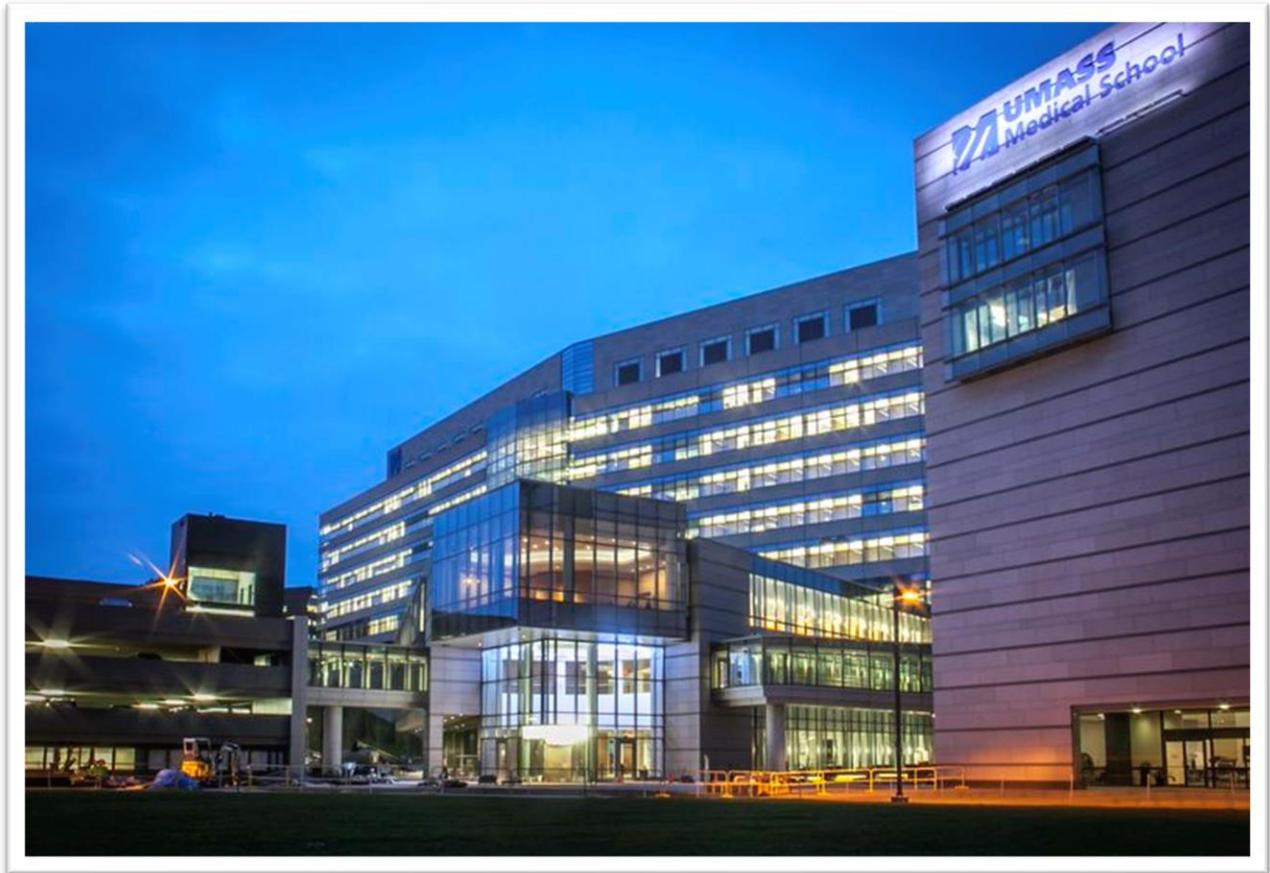




Graduate School of
Biomedical Sciences



Course Catalog & Registration

Fall 2020

Registration Open: June 29, 2020 – July 20, 2020

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GSBS SUMMER 2020 REGISTRATION INSTRUCTIONS

Summer Registration Period: 6/29/2020 - 7/20/2020

Final day for add/drops by session:

ERL: 7/11/2020 | CPH,BBS (1), MDP: 9/11/2020

Course sessions are identified in class number section of the course catalog

PeopleSoft Campus Solutions (PSCS) On-line Registration

To begin online Registration

Sign into PeopleSoft Campus Solutions (PSCS) with your UMMS credentials

https://sm-prd.wsa.umasscs.net/psp/wsaprd92/EMPLOYEE/SA/c/NUI_FRAMEWORK.PT_LANDINGPAGE.GBL

PSCS FAQ's including login and password issues

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

Second Year and Beyond: Mindy Donovan, S1-824, 508-856-5938, mindy.donovan@umassmed.edu

Clinical & Translational Sciences and MD/PhD Students Contact:

Anne Michelson, S1-824, 508-856-8025, 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
Clinical & Population Health Research	Lapane, Kate	AS6-1083	508-856-8999
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
Quantitative and Computational Biosciences and Bioengineering	Grunwald, David	AS4-1043	774-455-3632
Translational Science	Mandrekar, Pranoti	LRB-221	508-856-5391
Translational Science	Royer, William	LRB-921	508-856-6912

COURSES FOR REGISTRATION

Basic & Biomedical Sciences Courses

BBS 550 - Laboratory Rotation (PGSP)

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): Postbaccalaureate Research Education Program

Course Director: Lewis, Brian

Course Director email: brian.lewis@umassmed.edu

Co-Course Director: Knight, K

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

Course Administrator:

Course Administrator email:

Class Meeting Information:

Class Meeting Location:

Required Textbooks:

Recommended Textbooks:

Additional notes:

BBS 601 - Professionalism and Research Conduct (PARC)

Class #: 2061

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.

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: 9/30/2020-1/13/2021, Wednesdays from 9 a.m.-11 a.m. No class on: 11/4, 11/11, 11/25, 12/23 and 12/30

Class Meeting Location: Zoom

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 #: 2195

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: Zitzewitz, Jill

Course Director email: Jill.Zitzewitz@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: Mondays, 2 - 4 p.m., Starting October 2020.

Class Meeting Location: Zoom

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

Recommended Textbooks: Greene, Anne E. Writing Science in Plain English. The University of Chicago Press, 2013. (ISBN 978-0226026374)

Additional notes:

BBS 614 - Foundations in Biomedical Science

Class #: 2137

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: Ryder, Sean; Silverman, Neal

Course Administrator: Stratton, Annette

Course Director email: Jill.Zitzewitz@umassmed.edu

Co-Course Director email: sean.ryder@umassmed.edu;
neal.silverman@umassmed.edu

Course Administrator email:

annette.stratton@umassmed.edu

Class Meeting Information: Monday-Friday, 9 a.m.-noon (with some exceptions), starting September 4, 2020.

Class Meeting Location: Zoom

Required Textbooks:

Recommended Textbooks:

Additional notes:

BBS 716 - Molecular Biophysics

Class #: 5043

The goal of this course is to give students a strong foundation in physical principles that underlie the thermodynamic and mechanistic properties of biological macromolecules and macromolecular complexes. In addition to providing theoretical background, lectures and discussion groups will focus on the application of physical chemical principles in contemporary biomedical research. Topics will include spectroscopic and computational approaches to studying protein and nucleic acid structures, thermodynamics and kinetics of protein folding, the solution behavior of macromolecules and principles that govern molecular recognition.

Prerequisites: Strongly recommended, but not required: undergraduate Physical Chemistry

Credits: 3 | **Grading:** Letter

Associated Program(s): Biochemistry & Molecular Pharmacology

Course Director: Massi, Francesca

Course Director email: Francesca.Massi@umassmed.edu

Co-Course Director:

Co-Course Director email:

Course Administrator:

Course Administrator email:

Class Meeting Information: 9/1/2020 - 1/29/2021, Tuesdays and Thursdays, 11:00 a.m. – 12:30 p.m.

Class Meeting Location: Online

Required Textbooks: None

Recommended Textbooks: Kuriyan, J., Wemmer, D., & Konforti, B. (2013). The molecules of life: physical and chemical principles. New York: Garland Science, Taylor & Francis Group. ISBN 978-0-8153-4188-8

Additional notes:

BBS 738 - Eukaryotic Gene Expression

Class #: 5046

This course encompasses current topics in eukaryotic gene regulation including the discussion of current research articles. Within this context, we will also explore the role of epigenetic regulators in transcriptional control. Course goals include improving skills in reading, presenting, discussing, and critically analyzing research articles.

Prerequisites: BBS 614 or course equivalent

Credits: 3 | **Grading:** Letter

Associated Program(s): Interdisciplinary

Course Director: Peterson, Craig

Course Director email: craig.peterson@umassmed.edu

Co-Course Director:

Co-Course Director email:

Course Administrator:

Course Administrator email:

Class Meeting Information: Contact Course Director for more information

Class Meeting Location: Online

Required Textbooks:

Recommended Textbooks:

Additional notes:

BBS 741 - Advanced Topics in Bioinformatics

Class #: 5047

The Advanced Topics in Bioinformatics course covers several important areas of modern bioinformatics and computational biology. The course is aimed not only at students specializing in bioinformatics, but also general biology students who would like to utilize bioinformatics tools in their daily research. The course will begin with an overview of modern sources of bioinformatics data, especially high-throughput sequencing data (RNA-seq, ChIP-seq, DNase-seq, ATAC-seq, Whole genome bisulfite sequencing, etc.), followed by a thorough presentation of an extensive set of statistical learning and machine learning algorithms and their application to analyzing biological data. The course will include 10 lectures each with a homework set, followed by individual or group projects, presented in lieu of the final exam.

Prerequisites: None

Credits: 2 | **Grading:** Letter

Associated Program(s): Bioinformatics & Computational Biology Biochemistry & Molecular Pharmacology

Course Director: Weng, Zhiping

Course Director email: zhiping.weng@umassmed.edu

Co-Course Director:

Co-Course Director email:

Course Administrator:

Course Administrator email:

Class Meeting Information: Contact Course Director for more information

Class Meeting Location: Online

Required Textbooks:

Recommended Textbooks:

Additional notes:

BBS 748 - Introduction to Cellular Metabolism and Disease

Class #: 3055

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): Postbaccalaureate Research Education Program 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: 7/20/2020 – 8/7/2020, Monday through Friday 10 a.m. - 12 p.m.

Class Meeting Location: Online

Required Textbooks:

Recommended Textbooks:

Additional notes:

BBS 782 - Bases of Brain Disease

Class #: 2217

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: BBS 614 or course equivalent 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: 9/1/2020 - 1/29/2021, Thursdays 3 - 5 p.m.

Class Meeting Location: Online

Required Textbooks: None

Recommended Textbooks: None

Additional notes:

BBS 784 - Molecular and Cellular Basis of Neural Development

CANCELLED

The nervous system is the most complex tissue in the human body. The formation and maintenance of this amazing structure entails sophisticated mechanisms that drive the specification of appropriate cell fates in and along the spatial and temporal axes, and the formation and fine tuning of highly specific cell-cell contacts that are crucial for the organism to properly comprehend and manipulate its environment. In this course, students will present and discuss seminal papers that have unveiled important molecular and cellular aspects of nervous system development. Topics covered will include cell fate specification of neurons and glia, neuronal and glial differentiation, axon guidance, synaptogenesis and the fine tuning of the neural circuits through apoptosis and neurite pruning. Over the course of these studies, the students will gain an understanding of the fundamental mechanisms that are used to build nervous systems and the insights provided by model organisms.

Prerequisites: BBS 614 or course equivalent

Credits: 2 | **Grading:** Letter

Associated Program(s): Neuroscience

Course Director: Schafer, Dorothy

Course Director email: DorothyDori.Schafer@umassmed.edu

Co-Course Director: Francis, Michael

Co-Course Director email: michael.francis@umassmed.edu

Course Administrator:

Course Administrator email:

Class Meeting Information: 9/1/2020 - 1/29/2021, Day and time to be determined. 90 min in duration

Class Meeting Location: Zoom

Required Textbooks:

Recommended Textbooks:

Additional notes:

BBS 801 - RNA Biology Journal Club

Class #: 1005

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: 9/22/2020-1/29/2021. 4th Tuesday of each month from 10 a.m. - 12 p.m.

Class Meeting Location: Online

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 #: 2197

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:

Co-Course Director email:

Course Administrator:

Course Administrator email:

Class Meeting Information: 9/1/2020 - 1/29/2021, Wednesday 12 p.m. - 1 p.m., Thursday 12:15 - 1:15 p.m. and Thursday 1:40 - 2:20 p.m.

Class Meeting Location: Online

Required Textbooks:

Recommended Textbooks:

Additional notes: Presenting students meet with Course Director in advance of each presentation. In fall 2020, 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 #: 1007

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: TBD

Course Director email:

Co-Course Director:

Co-Course Director email:

Course Administrator:

Course Administrator email:

Class Meeting Information:

Class Meeting Location: Online

Required Textbooks:

Recommended Textbooks:

Additional notes: Instructor will advise students of start date.

BBS 821 - Molecular and Cellular Immunology

Class #: 2115

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: BBS 614 or course equivalent 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: 9/1/2020 - 1/29/2021, Tuesdays and Thursdays 10-11:45 a.m.

Class Meeting Location: Online

Required Textbooks: None

Recommended Textbooks: None

Additional notes: Syllabus available in August

BBS 822 - Advanced Animal Virology

CANCELLED

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: See Course Director for Details

Class Meeting Location: Online

Required Textbooks: None

Recommended Textbooks: None

Additional notes:

BBS 823 - Advanced Bacterial Pathogenesis

Class #: 2285

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, individual students or 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, critical analysis of the literature, and constructive feedback 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: BBS 614 or course equivalent, 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: 9/1/2020 - 1/29/2021, Wednesdays, 2 - 5 p.m.

Class Meeting Location: Online

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 833 - Immunology and Virology Graduate Student Seminars

Class #: 1011

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: Paulson, Jill

Course Administrator email: jill.paulson@umassmed.edu

Class Meeting Information: 9/1/2020 - 1/29/2021, Thursdays 4 - 5 p.m.

Class Meeting Location: Zoom

Required Textbooks: None

Recommended Textbooks: None

Additional notes:

BBS 838 - Communicating Neuroscience: Learning by Doing

Class #: 2257

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. Students are expected to have small group meetings arranged at their convenience in addition to the meetings of the full class. 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): 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: 9/1/2020 - 1/29/2021, Wednesdays 12 - 1 p.m.

Class Meeting Location: Online

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 843 - Educational Outreach to High Schools and Middle Schools

Class #: 5048

Middle and high school educational outreach coordinated through the Interdisciplinary Graduate Program, Worcester Pipeline, and Regional Science Resource Center. IGP coordinated activities include development of in-class presentations and experiments in collaboration with high school teachers, and one-on-one and small group mentoring of high school science students. The Worcester Pipeline Collaborative coordinates a range of programs with the Worcester Public Schools dedicated to educating and challenging underrepresented and/or economically disadvantaged students for success in the STEM professions. Course is not available to GSBS first-year students. Students need to make an appointment with the course coordinator to discuss outreach opportunities prior to the start of semester.

Prerequisites: Completion of GSBS 1st Year

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

Associated Program(s): Interdisciplinary

Course Director: Theurkauf, William

Course Director email: William.Theurkauf@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 848 - Tutorial in Neuroscience

Class #: 1009

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: See Course Director for details

Class Meeting Location: Online

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 #: 5063

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 #: See Class Number List

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 550 - Research Assistantship

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 on-going 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:

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

Associated Program(s): Postbaccalaureate Research Education Program

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 602A - Advanced Epidemiology & Research Methods

Class #: 4188

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: 9/8/2020 - 12/18/2020, Tuesdays and Thursdays, 9-10:20AM

Class Meeting Location: Online

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: The Zoom session will be open from 8:30am to 10:50am to allow for group work

CTS 603A - Generalized Linear Models

Class #: 4528

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: 9/8/2020 - 12/18/2020, Tuesdays and Thursdays, 11 a.m. – 12:30 p.m. (Class);
Wednesdays, 3:30-5:00 p.m. (Lab)

Class Meeting Location: Online

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: 978-1-59718-269-0

Additional notes:

CTS 605A - Introduction to Clinical and Translational Research

Class #: 4402

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: Goldberg, Robert

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

Course Administrator:

Course Administrator email:

Class Meeting Information: Tuesdays & Thursdays 9am - 3 pm

Class Meeting Location: Zoom

Required Textbooks:

Biostatistics Text:

E-textbook: Goodman M. Biostatistics for Clinical and Public Health Research. 1st edition. 2018. ISBN: 978-1-315-15566-1

Epidemiology Text:

E-textbook: Ken Rothman. Epidemiology: An Introduction. 2nd edition. 2012. ISBN 978-0-19-975455-7

Recommended Textbooks:

Additional notes:

CTS 611 - Scientific Writing

Class #: See Class Number List (2 sessions available)

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: Early Session (ERL) 7/1/2020-8/31/2020 | Regular Session (CPH) 9/8/2020-12/18/2020, Wednesdays 9 - 11 a.m.

Class Meeting Location: Online

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 702 - Ethics for Clinical Research

Class #: 4184

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: 9/8/2020-12/18/2020, Thursdays 2 - 4 p.m.

Class Meeting Location: Zoom

Required Textbooks: Hughes J (ed). European Textbook on Ethics in Research. Luxembourg: Publications Office of the European Union, 2010. ISBN 978-92-79-17543-5 (Free Online)

Recommended Textbooks: Institute of Medicine 2009. On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition. Washington, DC: The National Academies Press. <https://doi.org/10.17226/12192>. ISBN-13: 978-0-309-11970-2 (Free Online)

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, PowerPoint slides, and Zoom recording.

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:

Class Meeting Location:

Required Textbooks:

Recommended Textbooks:

Additional notes:

CTS 802 - Journal Club

Class #: 4792

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: 9/8/2020-12/18/2020, Wednesdays 1 - 2 p.m.

Class Meeting Location: Online

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 860A - Written Qualifying Exam

Class #: 4526

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 #: 4796

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 #: 4190

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: Goldberg, Robert

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:

MD/PhD Courses

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

Class #: AUTO 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:

Class Meeting Location:

Required Textbooks:

Recommended Textbooks:

Additional notes:

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

Class #: See Class Number List

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. It will enhance understanding of the continuum of research that is required for advancement of medicine and health, and of quantitative approaches that enable such research. Topics range from basic science insights on the pathogenesis of disease to examining the quality of health care, health care outcomes, health care disparities and health policy. The course is divided into 2 sections: Section 1 is a computational skills bootcamp based on R, which includes data types, data structures, data visualization, supervised and unsupervised machine learning and basic statistics. Section 1 culminates with a data science competition where teams with the best predictive model derived from a de-identified clinical data set are awarded. Section 2 explores rigor and reproducibility in research and includes analysis of published articles and re-analysis of accompanying data sets to compare alternative approaches and define the strength of conclusions. Both sections include team-based project development and presentation. Course is combined class of MD/PhD students and medical students in the Clinical and Translational Research Pathway (CTRP) in the School of Medicine.

Prerequisites: None

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

Associated Program(s): MD/PhD

Course Director: Corvera, Silvia

Co-Course Director:

Course Administrator:

Course Director email: silvia.corvera@umassmed.edu

Co-Course Director email:

Course Administrator email:

Class Meeting Information:

Class Meeting Location:

Required Textbooks:

Recommended Textbooks:

Additional notes:

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

Class #: AUTO 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

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 741 - Introduction to Translational Medicine

Class #: AUTO 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

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 742 - MD/PhD HIPAA and OSHA Certification

Class #: 4660

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

Co-Course Director:

Co-Course Director email:

Course Administrator:

Course Administrator email:

Class Meeting Information:

Class Meeting Location:

Required Textbooks: None

Recommended Textbooks: None

Additional notes:

MDP 744 - MD/PhD Learning Communities

Class #: AUTO 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: Corvera, Silvia

Course Director email: silvia.corvera@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 800 - MD/PhD Seminar

Class #: 4662

This is a weekly 2h event with participation required for all years in the program. The students develop stage-appropriate clinical diagnostic skills, research presentation skills, and career development skills. Emphasis is on understanding all factors contributing to disease, including molecular, cellular, pharmacological and epidemiological, as well as social determinants of health and health disparities. Areas of current or necessary research are emphasized. Each session includes faculty and student contributions.

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

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

Class #: AUTO 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:

CLASS NUMBER LIST

Basic & Biomedical Sciences Non-Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2061	BBS	601	1	Professionalism & Res. Conduct	Fuhrmann-Kelch	Cynthia
2195	BBS	602	1	Preparation Qualifying Exam	Conte	Darryl
2137	BBS	614	1	Foundations in Biomedical Scie	Zitzewitz	Jill
5043	BBS	716	1	Molecular Biophysics	Massi	Francesca
5046	BBS	738	1	Eukaryotic Gene Expression	Peterson	Craig
5047	BBS	741	1	Adv Topics in Bioinformatics	Weng	Zhiping
3055	BBS	748	ERL	Intro.to Cellular Metab. & Dis	Lewis	Brian
2217	BBS	782	1	Bases of Brain Disease	Punzo	Claudio
CANCELLED	BBS	784	1	Molecu & Cellu Bas Neur Dev	Schafer	Dorothy
1005	BBS	801	1	RNA Biology Journal Club	Ambros	Victor
2197	BBS	808	1	Journal Club in Neuroscience	Weaver	David
1007	BBS	810	1	Grad. Student Seminar Series		
2115	BBS	821	1	Molecul & Cellular Immunology	Kang	Joonsoo
CANCELLED	BBS	822	1	Advanced Animal Virology	Morrison	Trudy
2285	BBS	823	1	Adv Bacterial Pathogenesis	McCormick	Beth
1011	BBS	833	1	IVR Graduate Student Seminars	Huseby	Eric
2257	BBS	838	1	Communicating Neuroscience	Weaver	David
5048	BBS	843	1	Ed Outreach to High & Mid Scho	Theurkauf	William
1009	BBS	848	1	Tutorial in Neuroscience	Weaver	David

Basic & Biomedical Sciences Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
5025	BBS	550	L1	Laboratory Rotation (PREP)	Bolon	Daniel
5026	BBS	550	L2	Laboratory Rotation (PREP)	Bolon	Daniel
5111	BBS	550	L1	Laboratory Rotation (PREP)	Bosco	Daryl
5112	BBS	550	L2	Laboratory Rotation (PREP)	Bosco	Daryl
5109	BBS	550	L1	Laboratory Rotation (PREP)	Han	Gang

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
5110	BBS	550	L2	Laboratory Rotation (PREP)	Han	Gang
5107	BBS	550	L1	Laboratory Rotation (PREP)	Kim	Dohoon
5108	BBS	550	L2	Laboratory Rotation (PREP)	Kim	Dohoon
5099	BBS	550	L1	Laboratory Rotation (PREP)	Levitz	Stuart
5100	BBS	550	L2	Laboratory Rotation (PREP)	Levitz	Stuart
5103	BBS	550	L1	Laboratory Rotation (PREP)	Massi	Francesca
5104	BBS	550	L2	Laboratory Rotation (PREP)	Massi	Francesca
5101	BBS	550	L1	Laboratory Rotation (PREP)	Shaw	Leslie
5102	BBS	550	L2	Laboratory Rotation (PREP)	Shaw	Leslie
5105	BBS	550	L1	Laboratory Rotation (PREP)	Zhang	Hong
5106	BBS	550	L2	Laboratory Rotation (PREP)	Zhang	Hong
2985	BBS	850	ERL	Laboratory Rotation	Alkema	Mark
3079	BBS	850	L1	Laboratory Rotation	Alkema	Mark
3439	BBS	850	L2	Laboratory Rotation	Alkema	Mark
3313	BBS	850	L1	Laboratory Rotation	Allison	Jeroan
3675	BBS	850	L2	Laboratory Rotation	Allison	Jeroan
3005	BBS	850	ERL	Laboratory Rotation	Alonso	Laura
3399	BBS	850	L1	Laboratory Rotation	Alonso	Laura
3763	BBS	850	L2	Laboratory Rotation	Alonso	Laura
2941	BBS	850	ERL	Laboratory Rotation	Ambros	Victor
3081	BBS	850	L1	Laboratory Rotation	Ambros	Victor
3441	BBS	850	L2	Laboratory Rotation	Ambros	Victor
3942	BBS	850	ERL	Laboratory Rotation	ANACLET	Christelle
3958	BBS	850	L1	Laboratory Rotation	ANACLET	Christelle
3964	BBS	850	L2	Laboratory Rotation	ANACLET	Christelle
3083	BBS	850	L1	Laboratory Rotation	ANDERSON	Frederick Arthur
3443	BBS	850	L2	Laboratory Rotation	ANDERSON	Frederick Arthur
3075	BBS	850	ERL	Laboratory Rotation	Aroian	Raffi
3431	BBS	850	L1	Laboratory Rotation	Aroian	Raffi
3793	BBS	850	L2	Laboratory Rotation	Aroian	Raffi

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2895	BBS	850	ERL	Laboratory Rotation	Aronin	Neil
3085	BBS	850	L1	Laboratory Rotation	Aronin	Neil
3445	BBS	850	L2	Laboratory Rotation	Aronin	Neil
3940	BBS	850	ERL	Laboratory Rotation	Ash	Arlene
4172	BBS	850	L1	Laboratory Rotation	Bach	Ingolf
4174	BBS	850	L2	Laboratory Rotation	Bach	Ingolf
2897	BBS	850	ERL	Laboratory Rotation	Baehrecke	Eric
3087	BBS	850	L1	Laboratory Rotation	Baehrecke	Eric
3447	BBS	850	L2	Laboratory Rotation	Baehrecke	Eric
2871	BBS	850	ERL	Laboratory Rotation	Bailey	Jeffrey
3327	BBS	850	L1	Laboratory Rotation	Bailey	Jeffrey
3689	BBS	850	L2	Laboratory Rotation	Bailey	Jeffrey
2999	BBS	850	ERL	Laboratory Rotation	Behar	Samuel
3389	BBS	850	L1	Laboratory Rotation	Behar	Samuel
3753	BBS	850	L2	Laboratory Rotation	Behar	Samuel
3013	BBS	850	ERL	Laboratory Rotation	Benanti	Jennifer
3347	BBS	850	L1	Laboratory Rotation	Benanti	Jennifer
3711	BBS	850	L2	Laboratory Rotation	Benanti	Jennifer
2873	BBS	850	ERL	Laboratory Rotation	Benard	Claire
3309	BBS	850	L1	Laboratory Rotation	Benard	Claire
3671	BBS	850	L2	Laboratory Rotation	Benard	Claire
2899	BBS	850	ERL	Laboratory Rotation	Berg	Leslie
3089	BBS	850	L1	Laboratory Rotation	Berg	Leslie
3449	BBS	850	L2	Laboratory Rotation	Berg	Leslie
2971	BBS	850	ERL	Laboratory Rotation	Bergmann	Andreas
3377	BBS	850	L1	Laboratory Rotation	Bergmann	Andreas
3739	BBS	850	L2	Laboratory Rotation	Bergmann	Andreas
3451	BBS	850	L2	Laboratory Rotation	Bogdanov	Alexei
4779	BBS	850	ERL	Laboratory Rotation	BOGUNOVIC	Milena
4775	BBS	850	L1	Laboratory Rotation	BOGUNOVIC	Milena

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4777	BBS	850	L2	Laboratory Rotation	BOGUNOVIC	Milena
3091	BBS	850	L1	Laboratory Rotation	Bolon	Daniel
3453	BBS	850	L2	Laboratory Rotation	Bolon	Daniel
3015	BBS	850	ERL	Laboratory Rotation	Bosco	Daryl
3297	BBS	850	L1	Laboratory Rotation	Bosco	Daryl
3659	BBS	850	L2	Laboratory Rotation	Bosco	Daryl
2875	BBS	850	ERL	Laboratory Rotation	Boyer	Edward
3329	BBS	850	L1	Laboratory Rotation	Boyer	Edward
3691	BBS	850	L2	Laboratory Rotation	Boyer	Edward
3001	BBS	850	ERL	Laboratory Rotation	Brass	Abraham
3391	BBS	850	L1	Laboratory Rotation	Brass	Abraham
3755	BBS	850	L2	Laboratory Rotation	Brass	Abraham
2877	BBS	850	ERL	Laboratory Rotation	Brehm	Michael
3331	BBS	850	L1	Laboratory Rotation	Brehm	Michael
3693	BBS	850	L2	Laboratory Rotation	Brehm	Michael
3049	BBS	850	ERL	Laboratory Rotation	Brewer	Judson
3417	BBS	850	L1	Laboratory Rotation	Brewer	Judson
3777	BBS	850	L2	Laboratory Rotation	Brewer	Judson
3843	BBS	850	ERL	Laboratory Rotation	Brewster	Robert
3849	BBS	850	L1	Laboratory Rotation	Brewster	Robert
3855	BBS	850	L2	Laboratory Rotation	Brewster	Robert
3301	BBS	850	L1	Laboratory Rotation	Brown	Robert
3663	BBS	850	L2	Laboratory Rotation	Brown	Robert
4983	BBS	850	L1	Laboratory Rotation	BUCCI	Vanni
4985	BBS	850	L2	Laboratory Rotation	BUCCI	Vanni
2901	BBS	850	ERL	Laboratory Rotation	Budnik	Vivian
3093	BBS	850	L1	Laboratory Rotation	Budnik	Vivian
3455	BBS	850	L2	Laboratory Rotation	Budnik	Vivian
4873	BBS	850	ERL	Laboratory Rotation	Byatt	Nancy
4045	BBS	850	ERL	Laboratory Rotation	BYRNE	Alexandra Catherine

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3952	BBS	850	L1	Laboratory Rotation	BYRNE	Alexandra Catherine
3968	BBS	850	L2	Laboratory Rotation	BYRNE	Alexandra Catherine
2867	BBS	850	ERL	Laboratory Rotation	Cantor	Sharon
3095	BBS	850	L1	Laboratory Rotation	Cantor	Sharon
3457	BBS	850	L2	Laboratory Rotation	Cantor	Sharon
3097	BBS	850	L1	Laboratory Rotation	Carruthers	Anthony
3459	BBS	850	L2	Laboratory Rotation	Carruthers	Anthony
2861	BBS	850	ERL	Laboratory Rotation	Castilla	Lucio
3099	BBS	850	L1	Laboratory Rotation	Castilla	Lucio
3461	BBS	850	L2	Laboratory Rotation	Castilla	Lucio
3845	BBS	850	ERL	Laboratory Rotation	Cavacini	Lisa
3851	BBS	850	L1	Laboratory Rotation	Cavacini	Lisa
3857	BBS	850	L2	Laboratory Rotation	Cavacini	Lisa
2879	BBS	850	ERL	Laboratory Rotation	Ceol	Craig
3333	BBS	850	L1	Laboratory Rotation	Ceol	Craig
3695	BBS	850	L2	Laboratory Rotation	Ceol	Craig
3101	BBS	850	L1	Laboratory Rotation	CHAN	Francis Ka Ming
3463	BBS	850	L2	Laboratory Rotation	CHAN	Francis Ka Ming
3103	BBS	850	L1	Laboratory Rotation	Clapham	Paul
3465	BBS	850	L2	Laboratory Rotation	Clapham	Paul
3105	BBS	850	L1	Laboratory Rotation	Clark	Robin
3467	BBS	850	L2	Laboratory Rotation	Clark	Robin
3033	BBS	850	ERL	Laboratory Rotation	Cooper	Marcus
3315	BBS	850	L1	Laboratory Rotation	Cooper	Marcus
3677	BBS	850	L2	Laboratory Rotation	Cooper	Marcus
4107	BBS	850	ERL	Laboratory Rotation	Corvera	Silvia
3107	BBS	850	L1	Laboratory Rotation	Corvera	Silvia
3469	BBS	850	L2	Laboratory Rotation	Corvera	Silvia
2903	BBS	850	ERL	Laboratory Rotation	CZECH	Michael Paul
3109	BBS	850	L1	Laboratory Rotation	CZECH	Michael Paul

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3471	BBS	850	L2	Laboratory Rotation	CZECH	Michael Paul
3111	BBS	850	L1	Laboratory Rotation	Davis	Roger
3473	BBS	850	L2	Laboratory Rotation	Davis	Roger
4109	BBS	850	ERL	Laboratory Rotation	Dekker	Job
3113	BBS	850	L1	Laboratory Rotation	Dekker	Job
3475	BBS	850	L2	Laboratory Rotation	Dekker	Job
4111	BBS	850	ERL	Laboratory Rotation	Donahue	John
4119	BBS	850	L1	Laboratory Rotation	Donahue	John
4123	BBS	850	L2	Laboratory Rotation	Donahue	John
3115	BBS	850	L1	Laboratory Rotation	DOXSEY	Stephen John
3477	BBS	850	L2	Laboratory Rotation	DOXSEY	Stephen John
3117	BBS	850	L1	Laboratory Rotation	EMERY	Patrick
3479	BBS	850	L2	Laboratory Rotation	EMERY	Patrick
3017	BBS	850	ERL	Laboratory Rotation	Fazzio	Thomas
3349	BBS	850	L1	Laboratory Rotation	Fazzio	Thomas
3709	BBS	850	L2	Laboratory Rotation	Fazzio	Thomas
2987	BBS	850	ERL	Laboratory Rotation	Finberg	Robert
3119	BBS	850	L1	Laboratory Rotation	Finberg	Robert
3481	BBS	850	L2	Laboratory Rotation	Finberg	Robert
4135	BBS	850	ERL	Laboratory Rotation	Fitzgerald	Katherine
3121	BBS	850	L1	Laboratory Rotation	Fitzgerald	Katherine
3483	BBS	850	L2	Laboratory Rotation	Fitzgerald	Katherine
4806	BBS	850	ERL	Laboratory Rotation	FITZGERALD	Thomas
4808	BBS	850	L1	Laboratory Rotation	FITZGERALD	Thomas
4810	BBS	850	L2	Laboratory Rotation	FITZGERALD	Thomas
3123	BBS	850	L1	Laboratory Rotation	Flotte	Terence
3485	BBS	850	L2	Laboratory Rotation	Flotte	Terence
3125	BBS	850	L1	Laboratory Rotation	Francis	Michael
3487	BBS	850	L2	Laboratory Rotation	Francis	Michael
2967	BBS	850	ERL	Laboratory Rotation	FREEDMAN	Jane

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3371	BBS	850	L1	Laboratory Rotation	FREEDMAN	Jane
3733	BBS	850	L2	Laboratory Rotation	FREEDMAN	Jane
3127	BBS	850	L1	Laboratory Rotation	Freeman	Marc
3489	BBS	850	L2	Laboratory Rotation	Freeman	Marc
2947	BBS	850	ERL	Laboratory Rotation	Futai	Kensuke
3353	BBS	850	L1	Laboratory Rotation	Futai	Kensuke
3717	BBS	850	L2	Laboratory Rotation	Futai	Kensuke
2881	BBS	850	ERL	Laboratory Rotation	Gao	Fen-Biao
3335	BBS	850	L1	Laboratory Rotation	Gao	Fen-Biao
3697	BBS	850	L2	Laboratory Rotation	Gao	Fen-Biao
3057	BBS	850	ERL	Laboratory Rotation	Gao	Guangping
3131	BBS	850	L1	Laboratory Rotation	Gao	Guangping
3493	BBS	850	L2	Laboratory Rotation	Gao	Guangping
3011	BBS	850	ERL	Laboratory Rotation	Garber	Manuel
3397	BBS	850	L1	Laboratory Rotation	Garber	Manuel
3761	BBS	850	L2	Laboratory Rotation	Garber	Manuel
3129	BBS	850	L1	Laboratory Rotation	Gardner	Paul
3491	BBS	850	L2	Laboratory Rotation	Gardner	Paul
3351	BBS	850	L1	Laboratory Rotation	Goguen	Jon
3713	BBS	850	L2	Laboratory Rotation	Goguen	Jon
4133	BBS	850	ERL	Laboratory Rotation	GOLDBERG	Robert Joel
3133	BBS	850	L1	Laboratory Rotation	GOLDBERG	Robert Joel
3495	BBS	850	L2	Laboratory Rotation	GOLDBERG	Robert Joel
3135	BBS	850	L1	Laboratory Rotation	Golenbock	Douglas
3497	BBS	850	L2	Laboratory Rotation	Golenbock	Douglas
3137	BBS	850	L1	Laboratory Rotation	Gottlinger	Heinrich
3499	BBS	850	L2	Laboratory Rotation	Gottlinger	Heinrich
3139	BBS	850	L1	Laboratory Rotation	Gravallese	Ellen
3501	BBS	850	L2	Laboratory Rotation	Gravallese	Ellen
4937	BBS	850	ERL	Laboratory Rotation	GRAYEDWARDS	Heather Leigh

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4933	BBS	850	L1	Laboratory Rotation	GRAYEDWARDS	Heather Leigh
4935	BBS	850	L2	Laboratory Rotation	GRAYEDWARDS	Heather Leigh
2859	BBS	850	ERL	Laboratory Rotation	Green	Michael
3141	BBS	850	L1	Laboratory Rotation	Green	Michael
3503	BBS	850	L2	Laboratory Rotation	Green	Michael
4065	BBS	850	ERL	Laboratory Rotation	GREER	Paul Lieberman
4061	BBS	850	L1	Laboratory Rotation	GREER	Paul Lieberman
4063	BBS	850	L2	Laboratory Rotation	GREER	Paul Lieberman
3047	BBS	850	ERL	Laboratory Rotation	Greiner	Dale
3143	BBS	850	L1	Laboratory Rotation	Greiner	Dale
3505	BBS	850	L2	Laboratory Rotation	Greiner	Dale
3395	BBS	850	L1	Laboratory Rotation	Grunwald	David
3759	BBS	850	L2	Laboratory Rotation	Grunwald	David
2905	BBS	850	ERL	Laboratory Rotation	Guertin	David
3319	BBS	850	L1	Laboratory Rotation	Guertin	David
3681	BBS	850	L2	Laboratory Rotation	Guertin	David
2957	BBS	850	ERL	Laboratory Rotation	Han	Gang
3355	BBS	850	L1	Laboratory Rotation	Han	Gang
3715	BBS	850	L2	Laboratory Rotation	Han	Gang
2955	BBS	850	ERL	Laboratory Rotation	Harris	John
3357	BBS	850	L1	Laboratory Rotation	Harris	John
3719	BBS	850	L2	Laboratory Rotation	Harris	John
3925	BBS	850	ERL	Laboratory Rotation	Haynes	Cole
3927	BBS	850	L1	Laboratory Rotation	Haynes	Cole
3929	BBS	850	L2	Laboratory Rotation	Haynes	Cole
3041	BBS	850	ERL	Laboratory Rotation	Hayward	Lawrence
4080	BBS	850	L1	Laboratory Rotation	Hayward	Lawrence
3507	BBS	850	L2	Laboratory Rotation	Hayward	Lawrence
4731	BBS	850	ERL	Laboratory Rotation	Henninger	Nils
4735	BBS	850	L1	Laboratory Rotation	Henninger	Nils

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4739	BBS	850	L2	Laboratory Rotation	Henninger	Nils
3421	BBS	850	L1	Laboratory Rotation	Houghton	Jeanmarie
3781	BBS	850	L2	Laboratory Rotation	Houghton	Jeanmarie
3037	BBS	850	ERL	Laboratory Rotation	Huh	Jun
3415	BBS	850	L1	Laboratory Rotation	Huh	Jun
3775	BBS	850	L2	Laboratory Rotation	Huh	Jun
2907	BBS	850	ERL	Laboratory Rotation	Huseby	Eric
3145	BBS	850	L1	Laboratory Rotation	Huseby	Eric
3509	BBS	850	L2	Laboratory Rotation	Huseby	Eric
3019	BBS	850	ERL	Laboratory Rotation	Imbalzano	Anthony
3147	BBS	850	L1	Laboratory Rotation	Imbalzano	Anthony
3511	BBS	850	L2	Laboratory Rotation	Imbalzano	Anthony
3149	BBS	850	L1	Laboratory Rotation	Ip	Yicktung
3513	BBS	850	L2	Laboratory Rotation	Ip	Yicktung
3944	BBS	850	ERL	Laboratory Rotation	IRAZOQUI	Javier Elbio
3960	BBS	850	L1	Laboratory Rotation	IRAZOQUI	Javier Elbio
3966	BBS	850	L2	Laboratory Rotation	IRAZOQUI	Javier Elbio
3151	BBS	850	L1	Laboratory Rotation	Jacobson	Allan
3515	BBS	850	L2	Laboratory Rotation	Jacobson	Allan
4733	BBS	850	ERL	Laboratory Rotation	JOHNSON	Mark Damone
4737	BBS	850	L1	Laboratory Rotation	JOHNSON	Mark Damone
4741	BBS	850	L2	Laboratory Rotation	JOHNSON	Mark Damone
3025	BBS	850	ERL	Laboratory Rotation	Jones	Peter
3403	BBS	850	L1	Laboratory Rotation	Jones	Peter
3767	BBS	850	L2	Laboratory Rotation	Jones	Peter
2909	BBS	850	ERL	Laboratory Rotation	Jones	Stephen
3153	BBS	850	L1	Laboratory Rotation	Jones	Stephen
3155	BBS	850	L1	Laboratory Rotation	Kang	Joonsoo
3517	BBS	850	L2	Laboratory Rotation	Kang	Joonsoo
3077	BBS	850	ERL	Laboratory Rotation	Karlsson	Elinor

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3433	BBS	850	L1	Laboratory Rotation	Karlsson	Elinor
3795	BBS	850	L2	Laboratory Rotation	Karlsson	Elinor
3157	BBS	850	L1	Laboratory Rotation	Kaufman	Paul
3519	BBS	850	L2	Laboratory Rotation	Kaufman	Paul
2883	BBS	850	ERL	Laboratory Rotation	Keaney	John
3337	BBS	850	L1	Laboratory Rotation	Keaney	John
3699	BBS	850	L2	Laboratory Rotation	Keaney	John
3003	BBS	850	ERL	Laboratory Rotation	Kelch	Brian
3393	BBS	850	L1	Laboratory Rotation	Kelch	Brian
3757	BBS	850	L2	Laboratory Rotation	Kelch	Brian
3007	BBS	850	ERL	Laboratory Rotation	Kelliher	Michelle
3159	BBS	850	L1	Laboratory Rotation	Kelliher	Michelle
3521	BBS	850	L2	Laboratory Rotation	Kelliher	Michelle
2951	BBS	850	ERL	Laboratory Rotation	Kennedy	David
3359	BBS	850	L1	Laboratory Rotation	Kennedy	David
3721	BBS	850	L2	Laboratory Rotation	Kennedy	David
2959	BBS	850	ERL	Laboratory Rotation	Khanna	Hemant
3361	BBS	850	L1	Laboratory Rotation	Khanna	Hemant
3723	BBS	850	L2	Laboratory Rotation	Khanna	Hemant
3031	BBS	850	ERL	Laboratory Rotation	Khvorova	Anastasia
3411	BBS	850	L1	Laboratory Rotation	Khvorova	Anastasia
3771	BBS	850	L2	Laboratory Rotation	Khvorova	Anastasia
3021	BBS	850	ERL	Laboratory Rotation	Kiefe	Catarina
3321	BBS	850	L1	Laboratory Rotation	Kiefe	Catarina
3683	BBS	850	L2	Laboratory Rotation	Kiefe	Catarina
3847	BBS	850	ERL	Laboratory Rotation	Kim	Dohoon
3853	BBS	850	L1	Laboratory Rotation	Kim	Dohoon
3859	BBS	850	L2	Laboratory Rotation	Kim	Dohoon
3295	BBS	850	L1	Laboratory Rotation	Kim	Jason
3657	BBS	850	L2	Laboratory Rotation	Kim	Jason

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3161	BBS	850	L1	Laboratory Rotation	King	Jean
3523	BBS	850	L2	Laboratory Rotation	King	Jean
3163	BBS	850	L1	Laboratory Rotation	Kobertz	William
3525	BBS	850	L2	Laboratory Rotation	Kobertz	William
4047	BBS	850	ERL	Laboratory Rotation	Kornfeld	Hardy
3165	BBS	850	L1	Laboratory Rotation	Kornfeld	Hardy
3527	BBS	850	L2	Laboratory Rotation	Kornfeld	Hardy
2965	BBS	850	ERL	Laboratory Rotation	Korostelev	Andrei
3369	BBS	850	L1	Laboratory Rotation	Korostelev	Andrei
3731	BBS	850	L2	Laboratory Rotation	Korostelev	Andrei
2949	BBS	850	ERL	Laboratory Rotation	Kowalik	Timothy
3167	BBS	850	L1	Laboratory Rotation	Kowalik	Timothy
3529	BBS	850	L2	Laboratory Rotation	Kowalik	Timothy
2911	BBS	850	ERL	Laboratory Rotation	Kurt-Jones	Evelyn
3169	BBS	850	L1	Laboratory Rotation	Kurt-Jones	Evelyn
3531	BBS	850	L2	Laboratory Rotation	Kurt-Jones	Evelyn
2885	BBS	850	ERL	Laboratory Rotation	Landers	John
3307	BBS	850	L1	Laboratory Rotation	Landers	John
3669	BBS	850	L2	Laboratory Rotation	Landers	John
4078	BBS	850	ERL	Laboratory Rotation	Lawrence	Jeanne
3171	BBS	850	L1	Laboratory Rotation	Lawrence	Jeanne
3533	BBS	850	L2	Laboratory Rotation	Lawrence	Jeanne
3888	BBS	850	ERL	Laboratory Rotation	Lawson	Nathan
3173	BBS	850	L1	Laboratory Rotation	Lawson	Nathan
3535	BBS	850	L2	Laboratory Rotation	Lawson	Nathan
3035	BBS	850	ERL	Laboratory Rotation	Lee	Michael
3413	BBS	850	L1	Laboratory Rotation	Lee	Michael
3773	BBS	850	L2	Laboratory Rotation	Lee	Michael
3073	BBS	850	ERL	Laboratory Rotation	Lemos	Jose
3429	BBS	850	L1	Laboratory Rotation	Lemos	Jose

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3791	BBS	850	L2	Laboratory Rotation	Lemos	Jose
3175	BBS	850	L1	Laboratory Rotation	Levitz	Stuart
3537	BBS	850	L2	Laboratory Rotation	Levitz	Stuart
2997	BBS	850	ERL	Laboratory Rotation	Lewis	Brian
3177	BBS	850	L1	Laboratory Rotation	Lewis	Brian
3539	BBS	850	L2	Laboratory Rotation	Lewis	Brian
2913	BBS	850	ERL	Laboratory Rotation	Li	Hong-Sheng
3179	BBS	850	L1	Laboratory Rotation	Li	Hong-Sheng
3541	BBS	850	L2	Laboratory Rotation	Li	Hong-Sheng
3293	BBS	850	L1	Laboratory Rotation	Li	Shaoguang
3655	BBS	850	L2	Laboratory Rotation	Li	Shaoguang
3059	BBS	850	ERL	Laboratory Rotation	Libraty	Daniel
3181	BBS	850	L1	Laboratory Rotation	Libraty	Daniel
3543	BBS	850	L2	Laboratory Rotation	Libraty	Daniel
3183	BBS	850	L1	Laboratory Rotation	Lien	Egil
3545	BBS	850	L2	Laboratory Rotation	Lien	Egil
3027	BBS	850	ERL	Laboratory Rotation	Litvak	Vladimir
3405	BBS	850	L1	Laboratory Rotation	Litvak	Vladimir
3769	BBS	850	L2	Laboratory Rotation	Litvak	Vladimir
4993	BBS	850	ERL	Laboratory Rotation	Lodato	Michael
4995	BBS	850	L1	Laboratory Rotation	Lodato	Michael
4997	BBS	850	L2	Laboratory Rotation	Lodato	Michael
2887	BBS	850	ERL	Laboratory Rotation	Lois	Carlos
3339	BBS	850	L1	Laboratory Rotation	Lois	Carlos
3701	BBS	850	L2	Laboratory Rotation	Lois	Carlos
3185	BBS	850	L1	Laboratory Rotation	Lu	Shan
3547	BBS	850	L2	Laboratory Rotation	Lu	Shan
2981	BBS	850	ERL	Laboratory Rotation	Luban	Jeremy
3385	BBS	850	L1	Laboratory Rotation	Luban	Jeremy
3749	BBS	850	L2	Laboratory Rotation	Luban	Jeremy

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3187	BBS	850	L1	Laboratory Rotation	Luckmann	Roger
3549	BBS	850	L2	Laboratory Rotation	Luckmann	Roger
2979	BBS	850	ERL	Laboratory Rotation	Maehr	Rene
3383	BBS	850	L1	Laboratory Rotation	Maehr	Rene
3747	BBS	850	L2	Laboratory Rotation	Maehr	Rene
2989	BBS	850	ERL	Laboratory Rotation	Mandrekar	Pranoti
3323	BBS	850	L1	Laboratory Rotation	Mandrekar	Pranoti
3685	BBS	850	L2	Laboratory Rotation	Mandrekar	Pranoti
3303	BBS	850	L1	Laboratory Rotation	Mao	Junhao
3665	BBS	850	L2	Laboratory Rotation	Mao	Junhao
2983	BBS	850	ERL	Laboratory Rotation	Martin	Gilles
3387	BBS	850	L1	Laboratory Rotation	Martin	Gilles
3751	BBS	850	L2	Laboratory Rotation	Martin	Gilles
3189	BBS	850	L1	Laboratory Rotation	Massi	Francesca
3551	BBS	850	L2	Laboratory Rotation	Massi	Francesca
2915	BBS	850	ERL	Laboratory Rotation	Matthews	Charles
3191	BBS	850	L1	Laboratory Rotation	Matthews	Charles
3553	BBS	850	L2	Laboratory Rotation	Matthews	Charles
3193	BBS	850	L1	Laboratory Rotation	McCollum	Dannel
3555	BBS	850	L2	Laboratory Rotation	McCollum	Dannel
2917	BBS	850	ERL	Laboratory Rotation	McCormick	Beth
3305	BBS	850	L1	Laboratory Rotation	McCormick	Beth
3667	BBS	850	L2	Laboratory Rotation	McCormick	Beth
3039	BBS	850	ERL	Laboratory Rotation	Melikian	Haley
3195	BBS	850	L1	Laboratory Rotation	Melikian	Haley
3557	BBS	850	L2	Laboratory Rotation	Melikian	Haley
2919	BBS	850	ERL	Laboratory Rotation	Mello	Craig
3197	BBS	850	L1	Laboratory Rotation	Mello	Craig
3559	BBS	850	L2	Laboratory Rotation	Mello	Craig
3009	BBS	850	ERL	Laboratory Rotation	Mercurio	Arthur

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3199	BBS	850	L1	Laboratory Rotation	Mercurio	Arthur
3561	BBS	850	L2	Laboratory Rotation	Mercurio	Arthur
3201	BBS	850	L1	Laboratory Rotation	Miller	Stephen
3563	BBS	850	L2	Laboratory Rotation	Miller	Stephen
3916	BBS	850	ERL	Laboratory Rotation	MITCHELL	Amir Zadok
3912	BBS	850	L1	Laboratory Rotation	MITCHELL	Amir Zadok
3914	BBS	850	L2	Laboratory Rotation	MITCHELL	Amir Zadok
2953	BBS	850	ERL	Laboratory Rotation	Moore	Constance
3363	BBS	850	L1	Laboratory Rotation	Moore	Constance
3725	BBS	850	L2	Laboratory Rotation	Moore	Constance
3203	BBS	850	L1	Laboratory Rotation	Moore	Melissa
3565	BBS	850	L2	Laboratory Rotation	Moore	Melissa
4137	BBS	850	ERL	Laboratory Rotation	Moormann	Ann
3325	BBS	850	L1	Laboratory Rotation	Moormann	Ann
3687	BBS	850	L2	Laboratory Rotation	Moormann	Ann
3205	BBS	850	L1	Laboratory Rotation	Morrison	Trudy
3567	BBS	850	L2	Laboratory Rotation	Morrison	Trudy
3373	BBS	850	L1	Laboratory Rotation	Muller	Christian
3735	BBS	850	L2	Laboratory Rotation	Muller	Christian
5027	BBS	850	L1	Laboratory Rotation	Munro	James
5028	BBS	850	L2	Laboratory Rotation	Munro	James
4871	BBS	850	ERL	Laboratory Rotation	Munson	Maryann
3207	BBS	850	L1	Laboratory Rotation	Munson	Maryann
3569	BBS	850	L2	Laboratory Rotation	Munson	Maryann
3209	BBS	850	L1	Laboratory Rotation	Newburger	Peter
3571	BBS	850	L2	Laboratory Rotation	Newburger	Peter
3211	BBS	850	L1	Laboratory Rotation	Ockene	Judith
3573	BBS	850	L2	Laboratory Rotation	Ockene	Judith
3950	BBS	850	ERL	Laboratory Rotation	Ortiz-Miranda	Sonia
3956	BBS	850	L1	Laboratory Rotation	Ortiz-Miranda	Sonia

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3972	BBS	850	L2	Laboratory Rotation	Ortiz-Miranda	Sonia
5020	BBS	850	ERL	Laboratory Rotation	ORZALLI	Megan Horn
5018	BBS	850	L1	Laboratory Rotation	ORZALLI	Megan Horn
5019	BBS	850	L2	Laboratory Rotation	ORZALLI	Megan Horn
2991	BBS	850	ERL	Laboratory Rotation	Ostroff	Gary
3311	BBS	850	L1	Laboratory Rotation	Ostroff	Gary
3673	BBS	850	L2	Laboratory Rotation	Ostroff	Gary
4093	BBS	850	L1	Laboratory Rotation	PAI	Athma Anjali
4095	BBS	850	L2	Laboratory Rotation	PAI	Athma Anjali
3213	BBS	850	L1	Laboratory Rotation	Paydarfar	David
3575	BBS	850	L2	Laboratory Rotation	Paydarfar	David
2993	BBS	850	ERL	Laboratory Rotation	Pazour	Gregory
3215	BBS	850	L1	Laboratory Rotation	Pazour	Gregory
3577	BBS	850	L2	Laboratory Rotation	Pazour	Gregory
3045	BBS	850	ERL	Laboratory Rotation	Peterson	Craig
3217	BBS	850	L1	Laboratory Rotation	Peterson	Craig
3579	BBS	850	L2	Laboratory Rotation	Peterson	Craig
3219	BBS	850	L1	Laboratory Rotation	Pryciak	Peter
3581	BBS	850	L2	Laboratory Rotation	Pryciak	Peter
3069	BBS	850	ERL	Laboratory Rotation	Pukkila-Worley	Read
3423	BBS	850	L1	Laboratory Rotation	Pukkila-Worley	Read
3785	BBS	850	L2	Laboratory Rotation	Pukkila-Worley	Read
2961	BBS	850	ERL	Laboratory Rotation	Punzo	Claudio
3365	BBS	850	L1	Laboratory Rotation	Punzo	Claudio
3727	BBS	850	L2	Laboratory Rotation	Punzo	Claudio
4113	BBS	850	ERL	Laboratory Rotation	Ram	Sanjay
3221	BBS	850	L1	Laboratory Rotation	Ram	Sanjay
3583	BBS	850	L2	Laboratory Rotation	Ram	Sanjay
2945	BBS	850	ERL	Laboratory Rotation	Rando	Oliver
3223	BBS	850	L1	Laboratory Rotation	Rando	Oliver

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3585	BBS	850	L2	Laboratory Rotation	Rando	Oliver
3881	BBS	850	ERL	Laboratory Rotation	REBOLDI	Andrea
3879	BBS	850	L1	Laboratory Rotation	REBOLDI	Andrea
4991	BBS	850	L2	Laboratory Rotation	REBOLDI	Andrea
3053	BBS	850	ERL	Laboratory Rotation	Rhind	Nicholas
3225	BBS	850	L1	Laboratory Rotation	Rhind	Nicholas
3587	BBS	850	L2	Laboratory Rotation	Rhind	Nicholas
3227	BBS	850	L1	Laboratory Rotation	Richter	Joel
3589	BBS	850	L2	Laboratory Rotation	Richter	Joel
3229	BBS	850	L1	Laboratory Rotation	Rivera Perez	Jaime
3591	BBS	850	L2	Laboratory Rotation	Rivera Perez	Jaime
2921	BBS	850	ERL	Laboratory Rotation	Rock	Kenneth
3231	BBS	850	L1	Laboratory Rotation	Rock	Kenneth
3593	BBS	850	L2	Laboratory Rotation	Rock	Kenneth
4049	BBS	850	ERL	Laboratory Rotation	Rogaev	Evgeny
4053	BBS	850	L1	Laboratory Rotation	Rogaev	Evgeny
4051	BBS	850	L2	Laboratory Rotation	Rogaev	Evgeny
2923	BBS	850	ERL	Laboratory Rotation	Ross	Alonzo
3233	BBS	850	L1	Laboratory Rotation	Ross	Alonzo
3595	BBS	850	L2	Laboratory Rotation	Ross	Alonzo
2889	BBS	850	ERL	Laboratory Rotation	Rothstein	Ann
3341	BBS	850	L1	Laboratory Rotation	Rothstein	Ann
3703	BBS	850	L2	Laboratory Rotation	Rothstein	Ann
3065	BBS	850	ERL	Laboratory Rotation	Royer	William
3235	BBS	850	L1	Laboratory Rotation	Royer	William
3597	BBS	850	L2	Laboratory Rotation	Royer	William
2869	BBS	850	ERL	Laboratory Rotation	Ruiz De Luzuriaga	Katherine
3237	BBS	850	L1	Laboratory Rotation	Ruiz De Luzuriaga	Katherine
3599	BBS	850	L2	Laboratory Rotation	Ruiz De Luzuriaga	Katherine
2925	BBS	850	ERL	Laboratory Rotation	Ryder	Sean

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3239	BBS	850	L1	Laboratory Rotation	Ryder	Sean
3601	BBS	850	L2	Laboratory Rotation	Ryder	Sean
3241	BBS	850	L1	Laboratory Rotation	Sagerstrom	Charles
3603	BBS	850	L2	Laboratory Rotation	Sagerstrom	Charles
2995	BBS	850	ERL	Laboratory Rotation	Sassetti	Christopher
3243	BBS	850	L1	Laboratory Rotation	Sassetti	Christopher
3605	BBS	850	L2	Laboratory Rotation	Sassetti	Christopher
3063	BBS	850	ERL	Laboratory Rotation	Schafer	Dorothy
3435	BBS	850	L1	Laboratory Rotation	Schafer	Dorothy
3797	BBS	850	L2	Laboratory Rotation	Schafer	Dorothy
2857	BBS	850	ERL	Laboratory Rotation	Schiffer	Celia
3245	BBS	850	L1	Laboratory Rotation	Schiffer	Celia
3607	BBS	850	L2	Laboratory Rotation	Schiffer	Celia
2863	BBS	850	ERL	Laboratory Rotation	Selin	Liisa
3247	BBS	850	L1	Laboratory Rotation	Selin	Liisa
3609	BBS	850	L2	Laboratory Rotation	Selin	Liisa
3317	BBS	850	L1	Laboratory Rotation	Sena Esteves	Miguel
3679	BBS	850	L2	Laboratory Rotation	Sena Esteves	Miguel
4115	BBS	850	ERL	Laboratory Rotation	Shaffer	Scott
4121	BBS	850	L1	Laboratory Rotation	Shaffer	Scott
4125	BBS	850	L2	Laboratory Rotation	Shaffer	Scott
5069	BBS	850	L1	Laboratory Rotation	Shank	Elizabeth
5070	BBS	850	L2	Laboratory Rotation	Shank	Elizabeth
3249	BBS	850	L1	Laboratory Rotation	Shaw	Leslie
3611	BBS	850	L2	Laboratory Rotation	Shaw	Leslie
5071	BBS	850	L1	Laboratory Rotation	SHEN	Kuang
5072	BBS	850	L2	Laboratory Rotation	SHEN	Kuang
3948	BBS	850	ERL	Laboratory Rotation	Shim	Jae-Hyuck
3954	BBS	850	L1	Laboratory Rotation	Shim	Jae-Hyuck
3970	BBS	850	L2	Laboratory Rotation	Shim	Jae-Hyuck

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4084	BBS	850	L1	Laboratory Rotation	SHOHET	Jason Matthew
4086	BBS	850	L2	Laboratory Rotation	SHOHET	Jason Matthew
2943	BBS	850	ERL	Laboratory Rotation	Silverman	Neal
3251	BBS	850	L1	Laboratory Rotation	Silverman	Neal
3613	BBS	850	L2	Laboratory Rotation	Silverman	Neal
3253	BBS	850	L1	Laboratory Rotation	Sluder	Greenfield
3615	BBS	850	L2	Laboratory Rotation	Sluder	Greenfield
3255	BBS	850	L1	Laboratory Rotation	Socolovsky	Merav
3617	BBS	850	L2	Laboratory Rotation	Socolovsky	Merav
2927	BBS	850	ERL	Laboratory Rotation	Song	Jie
3257	BBS	850	L1	Laboratory Rotation	Song	Jie
3619	BBS	850	L2	Laboratory Rotation	Song	Jie
3071	BBS	850	ERL	Laboratory Rotation	Sontheimer	Erik
3425	BBS	850	L1	Laboratory Rotation	Sontheimer	Erik
3787	BBS	850	L2	Laboratory Rotation	Sontheimer	Erik
3259	BBS	850	L1	Laboratory Rotation	Stein	Gary
3621	BBS	850	L2	Laboratory Rotation	Stein	Gary
2929	BBS	850	ERL	Laboratory Rotation	Stern	Lawrence
3261	BBS	850	L1	Laboratory Rotation	Stern	Lawrence
3623	BBS	850	L2	Laboratory Rotation	Stern	Lawrence
2963	BBS	850	ERL	Laboratory Rotation	Swain	Susan
3367	BBS	850	L1	Laboratory Rotation	Swain	Susan
3729	BBS	850	L2	Laboratory Rotation	Swain	Susan
3043	BBS	850	ERL	Laboratory Rotation	Szabo	Gyongyi
3263	BBS	850	L1	Laboratory Rotation	Szabo	Gyongyi
3625	BBS	850	L2	Laboratory Rotation	Szabo	Gyongyi
2931	BBS	850	ERL	Laboratory Rotation	Tapper	Andrew
3265	BBS	850	L1	Laboratory Rotation	Tapper	Andrew
3627	BBS	850	L2	Laboratory Rotation	Tapper	Andrew
3267	BBS	850	L1	Laboratory Rotation	Theurkauf	William

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3629	BBS	850	L2	Laboratory Rotation	Theurkauf	William
3061	BBS	850	ERL	Laboratory Rotation	Thompson	Paul
3427	BBS	850	L1	Laboratory Rotation	Thompson	Paul
3789	BBS	850	L2	Laboratory Rotation	Thompson	Paul
4952	BBS	850	ERL	Laboratory Rotation	Thomson	Travis
4948	BBS	850	L1	Laboratory Rotation	Thomson	Travis
4950	BBS	850	L2	Laboratory Rotation	Thomson	Travis
3269	BBS	850	L1	Laboratory Rotation	Tissenbaum	Heidi
3631	BBS	850	L2	Laboratory Rotation	Tissenbaum	Heidi
3407	BBS	850	L1	Laboratory Rotation	Torres	Eduardo
3938	BBS	850	L2	Laboratory Rotation	Torres	Eduardo
2969	BBS	850	ERL	Laboratory Rotation	Trivedi	Chinmay
3375	BBS	850	L1	Laboratory Rotation	Trivedi	Chinmay
3737	BBS	850	L2	Laboratory Rotation	Trivedi	Chinmay
2865	BBS	850	ERL	Laboratory Rotation	Urano	Fumihiko
3271	BBS	850	L1	Laboratory Rotation	Urano	Fumihiko
3633	BBS	850	L2	Laboratory Rotation	Urano	Fumihiko
3029	BBS	850	ERL	Laboratory Rotation	Walhout	Albertha
3273	BBS	850	L1	Laboratory Rotation	Walhout	Albertha
3635	BBS	850	L2	Laboratory Rotation	Walhout	Albertha
2977	BBS	850	ERL	Laboratory Rotation	Walker	Amy
3409	BBS	850	L1	Laboratory Rotation	Walker	Amy
3745	BBS	850	L2	Laboratory Rotation	Walker	Amy
2891	BBS	850	ERL	Laboratory Rotation	Wang	Jennifer
3343	BBS	850	L1	Laboratory Rotation	Wang	Jennifer
3705	BBS	850	L2	Laboratory Rotation	Wang	Jennifer
2893	BBS	850	ERL	Laboratory Rotation	Waring	Molly
3345	BBS	850	L1	Laboratory Rotation	Waring	Molly
3707	BBS	850	L2	Laboratory Rotation	Waring	Molly
3946	BBS	850	ERL	Laboratory Rotation	Watts	Jonathan

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3962	BBS	850	L1	Laboratory Rotation	Watts	Jonathan
3936	BBS	850	L2	Laboratory Rotation	Watts	Jonathan
3275	BBS	850	L1	Laboratory Rotation	Weaver	David
3637	BBS	850	L2	Laboratory Rotation	Weaver	David
3277	BBS	850	L1	Laboratory Rotation	Welsh	Raymond
3639	BBS	850	L2	Laboratory Rotation	Welsh	Raymond
2933	BBS	850	ERL	Laboratory Rotation	Weng	Zhiping
3279	BBS	850	L1	Laboratory Rotation	Weng	Zhiping
3641	BBS	850	L2	Laboratory Rotation	Weng	Zhiping
3877	BBS	850	ERL	Laboratory Rotation	Wolfe	Scot
3291	BBS	850	L1	Laboratory Rotation	Wolfe	Scot
3653	BBS	850	L2	Laboratory Rotation	Wolfe	Scot
3281	BBS	850	L1	Laboratory Rotation	Woodland	Robert
3643	BBS	850	L2	Laboratory Rotation	Woodland	Robert
2975	BBS	850	ERL	Laboratory Rotation	Xiang	Yang
3381	BBS	850	L1	Laboratory Rotation	Xiang	Yang
3743	BBS	850	L2	Laboratory Rotation	Xiang	Yang
4117	BBS	850	ERL	Laboratory Rotation	Xu	Zuoshang
3283	BBS	850	L1	Laboratory Rotation	Xu	Zuoshang
3645	BBS	850	L2	Laboratory Rotation	Xu	Zuoshang
3437	BBS	850	L1	Laboratory Rotation	Xue	Wen
3783	BBS	850	L2	Laboratory Rotation	Xue	Wen
3051	BBS	850	ERL	Laboratory Rotation	Yu	Hong
3419	BBS	850	L1	Laboratory Rotation	Yu	Hong
3779	BBS	850	L2	Laboratory Rotation	Yu	Hong
2939	BBS	850	ERL	Laboratory Rotation	Zamore	Phillip
3285	BBS	850	L1	Laboratory Rotation	Zamore	Phillip
3647	BBS	850	L2	Laboratory Rotation	Zamore	Phillip
2935	BBS	850	ERL	Laboratory Rotation	Zeldovich	Konstantin
3299	BBS	850	L1	Laboratory Rotation	Zeldovich	Konstantin

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3661	BBS	850	L2	Laboratory Rotation	Zeldovich	Konstantin
3287	BBS	850	L1	Laboratory Rotation	Zhang	Hong
3649	BBS	850	L2	Laboratory Rotation	Zhang	Hong
3067	BBS	850	ERL	Laboratory Rotation	ZHUGE	Ronghua
3289	BBS	850	L1	Laboratory Rotation	ZHUGE	Ronghua
3651	BBS	850	L2	Laboratory Rotation	ZHUGE	Ronghua
2973	BBS	850	ERL	Laboratory Rotation	Ziedonis	Douglas
3379	BBS	850	L1	Laboratory Rotation	Ziedonis	Douglas
3741	BBS	850	L2	Laboratory Rotation	Ziedonis	Douglas
2937	BBS	850	ERL	Laboratory Rotation	Zitzewitz	Jill
1013	BBS	870	1	Prequalifying Research	Alkema	Mark
1729	BBS	870	1	Prequalifying Research	Allison	Jeroan
2007	BBS	870	1	Prequalifying Research	Alonso	Laura
1015	BBS	870	1	Prequalifying Research	Ambros	Victor
2171	BBS	870	1	Prequalifying Research	ANACLET	Christelle
1017	BBS	870	1	Prequalifying Research	ANDERSON	Frederick Arthur
2081	BBS	870	1	Prequalifying Research	Aroian	Raffi
1019	BBS	870	1	Prequalifying Research	Aronin	Neil
2241	BBS	870	1	Prequalifying Research	Bach	Ingolf
1021	BBS	870	1	Prequalifying Research	Baehrecke	Eric
1771	BBS	870	1	Prequalifying Research	Bailey	Jeffrey
1975	BBS	870	1	Prequalifying Research	Behar	Samuel
1843	BBS	870	1	Prequalifying Research	Benanti	Jennifer
1773	BBS	870	1	Prequalifying Research	Benard	Claire
1023	BBS	870	1	Prequalifying Research	Berg	Leslie
1933	BBS	870	1	Prequalifying Research	Bergmann	Andreas
5068	BBS	870	1	Prequalifying Research	Bogdanov	Alexei
2273	BBS	870	1	Prequalifying Research	BOGUNOVIC	Milena
1025	BBS	870	1	Prequalifying Research	Bolon	Daniel
1229	BBS	870	1	Prequalifying Research	Bosco	Daryl

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1775	BBS	870	1	Prequalifying Research	Boyer	Edward
1977	BBS	870	1	Prequalifying Research	Brass	Abraham
1777	BBS	870	1	Prequalifying Research	Brehm	Michael
2047	BBS	870	1	Prequalifying Research	Brewer	Judson
2119	BBS	870	1	Prequalifying Research	Brewster	Robert
1233	BBS	870	1	Prequalifying Research	Brown	Robert
5067	BBS	870	1	Prequalifying Research	BUCCI	Vanni
1027	BBS	870	1	Prequalifying Research	Budnik	Vivian
2161	BBS	870	1	Prequalifying Research	BYRNE	Alexandra Catherine
1029	BBS	870	1	Prequalifying Research	Cantor	Sharon
1031	BBS	870	1	Prequalifying Research	Carruthers	Anthony
1033	BBS	870	1	Prequalifying Research	Castilla	Lucio
2121	BBS	870	1	Prequalifying Research	Cavacini	Lisa
1779	BBS	870	1	Prequalifying Research	Ceol	Craig
1035	BBS	870	1	Prequalifying Research	CHAN	Francis Ka Ming
1037	BBS	870	1	Prequalifying Research	Clapham	Paul
1039	BBS	870	1	Prequalifying Research	Clark	Robin
1731	BBS	870	1	Prequalifying Research	Cooper	Marcus
1041	BBS	870	1	Prequalifying Research	Corvera	Silvia
1043	BBS	870	1	Prequalifying Research	CZECH	Michael Paul
1045	BBS	870	1	Prequalifying Research	Davis	Roger
1047	BBS	870	1	Prequalifying Research	Dekker	Job
2227	BBS	870	1	Prequalifying Research	Donahue	John
1049	BBS	870	1	Prequalifying Research	DOXSEY	Stephen John
1051	BBS	870	1	Prequalifying Research	EMERY	Patrick
1845	BBS	870	1	Prequalifying Research	Fazzio	Thomas
1053	BBS	870	1	Prequalifying Research	Finberg	Robert
1055	BBS	870	1	Prequalifying Research	Fitzgerald	Katherine
2277	BBS	870	1	Prequalifying Research	FITZGERALD	Thomas
1057	BBS	870	1	Prequalifying Research	Flotte	Terence

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1059	BBS	870	1	Prequalifying Research	Francis	Michael
1913	BBS	870	1	Prequalifying Research	FREEDMAN	Jane
1061	BBS	870	1	Prequalifying Research	Freeman	Marc
1877	BBS	870	1	Prequalifying Research	Futai	Kensuke
1781	BBS	870	1	Prequalifying Research	Gao	Fen-Biao
1065	BBS	870	1	Prequalifying Research	Gao	Guangping
1997	BBS	870	1	Prequalifying Research	Garber	Manuel
1063	BBS	870	1	Prequalifying Research	Gardner	Paul
1855	BBS	870	1	Prequalifying Research	Goguen	Jon
1067	BBS	870	1	Prequalifying Research	GOLDBERG	Robert Joel
2105	BBS	870	1	Prequalifying Research	Golenbock	Douglas
1069	BBS	870	1	Prequalifying Research	Gottlinger	Heinrich
1071	BBS	870	1	Prequalifying Research	Gravallese	Ellen
2287	BBS	870	1	Prequalifying Research	GRAYEDWARDS	Heather Leigh
1073	BBS	870	1	Prequalifying Research	Green	Michael
2207	BBS	870	1	Prequalifying Research	GREER	Paul Lieberman
1075	BBS	870	1	Prequalifying Research	Greiner	Dale
1995	BBS	870	1	Prequalifying Research	Grunwald	David
1735	BBS	870	1	Prequalifying Research	Guertin	David
1867	BBS	870	1	Prequalifying Research	Han	Gang
1883	BBS	870	1	Prequalifying Research	Harris	John
2155	BBS	870	1	Prequalifying Research	Haynes	Cole
1077	BBS	870	1	Prequalifying Research	Hayward	Lawrence
2259	BBS	870	1	Prequalifying Research	Henninger	Nils
2041	BBS	870	1	Prequalifying Research	Huh	Jun
1079	BBS	870	1	Prequalifying Research	Huseby	Eric
1081	BBS	870	1	Prequalifying Research	Imbalzano	Anthony
1083	BBS	870	1	Prequalifying Research	Ip	Yicktung
2167	BBS	870	1	Prequalifying Research	IRAZOQUI	Javier Elbio
1085	BBS	870	1	Prequalifying Research	Jacobson	Allan

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2261	BBS	870	1	Prequalifying Research	JOHNSON	Mark Damone
2015	BBS	870	1	Prequalifying Research	Jones	Peter
1087	BBS	870	1	Prequalifying Research	Jones	Stephen
1089	BBS	870	1	Prequalifying Research	Kang	Joonsoo
2083	BBS	870	1	Prequalifying Research	Karlsson	Elinor
1091	BBS	870	1	Prequalifying Research	Kaufman	Paul
1783	BBS	870	1	Prequalifying Research	Keaney	John
1979	BBS	870	1	Prequalifying Research	Kelch	Brian
1093	BBS	870	1	Prequalifying Research	Kelliher	Michelle
1879	BBS	870	1	Prequalifying Research	Kennedy	David
1865	BBS	870	1	Prequalifying Research	Khanna	Hemant
2031	BBS	870	1	Prequalifying Research	Khvorova	Anastasia
1737	BBS	870	1	Prequalifying Research	Kiefe	Catarina
2123	BBS	870	1	Prequalifying Research	Kim	Dohoon
1227	BBS	870	1	Prequalifying Research	Kim	Jason
1095	BBS	870	1	Prequalifying Research	King	Jean
1097	BBS	870	1	Prequalifying Research	Kobertz	William
1099	BBS	870	1	Prequalifying Research	Kornfeld	Hardy
1907	BBS	870	1	Prequalifying Research	Korostelev	Andrei
1101	BBS	870	1	Prequalifying Research	Kowalik	Timothy
1103	BBS	870	1	Prequalifying Research	Kurt-Jones	Evelyn
1785	BBS	870	1	Prequalifying Research	Landers	John
1105	BBS	870	1	Prequalifying Research	Lawrence	Jeanne
1107	BBS	870	1	Prequalifying Research	Lawson	Nathan
2037	BBS	870	1	Prequalifying Research	Lee	Michael
2107	BBS	870	1	Prequalifying Research	Lemos	Jose
1109	BBS	870	1	Prequalifying Research	Levitz	Stuart
1111	BBS	870	1	Prequalifying Research	Lewis	Brian
1113	BBS	870	1	Prequalifying Research	Li	Hong-Sheng
1225	BBS	870	1	Prequalifying Research	Li	Shaoguang

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1115	BBS	870	1	Prequalifying Research	Libraty	Daniel
1117	BBS	870	1	Prequalifying Research	Lien	Egil
2017	BBS	870	1	Prequalifying Research	Litvak	Vladimir
4999	BBS	870	1	Prequalifying Research	Lodato	Michael
1787	BBS	870	1	Prequalifying Research	Lois	Carlos
1119	BBS	870	1	Prequalifying Research	Lu	Shan
1943	BBS	870	1	Prequalifying Research	Luban	Jeremy
1121	BBS	870	1	Prequalifying Research	Luckmann	Roger
1941	BBS	870	1	Prequalifying Research	Maehr	Rene
1759	BBS	870	1	Prequalifying Research	Mandrekar	Pranoti
1235	BBS	870	1	Prequalifying Research	Mao	Junhao
1945	BBS	870	1	Prequalifying Research	Martin	Gilles
1123	BBS	870	1	Prequalifying Research	Massi	Francesca
1125	BBS	870	1	Prequalifying Research	Matthews	Charles
1127	BBS	870	1	Prequalifying Research	McCollum	Dannel
1237	BBS	870	1	Prequalifying Research	McCormick	Beth
1129	BBS	870	1	Prequalifying Research	Melikian	Haley
1131	BBS	870	1	Prequalifying Research	Mello	Craig
1133	BBS	870	1	Prequalifying Research	Mercurio	Arthur
2027	BBS	870	1	Prequalifying Research	Miller	Stephen
2145	BBS	870	1	Prequalifying Research	MITCHELL	Amir Zadok
1881	BBS	870	1	Prequalifying Research	Moore	Constance
1135	BBS	870	1	Prequalifying Research	Moore	Melissa
1761	BBS	870	1	Prequalifying Research	Moormann	Ann
1137	BBS	870	1	Prequalifying Research	Morrison	Trudy
1921	BBS	870	1	Prequalifying Research	Muller	Christian
5029	BBS	870	1	Prequalifying Research	Munro	James
1139	BBS	870	1	Prequalifying Research	Munson	Maryann
1141	BBS	870	1	Prequalifying Research	Newburger	Peter
1143	BBS	870	1	Prequalifying Research	Ockene	Judith

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2165	BBS	870	1	Prequalifying Research	Ortiz-Miranda	Sonia
5066	BBS	870	1	Prequalifying Research	ORZALLI	Megan Horn
1723	BBS	870	1	Prequalifying Research	Ostroff	Gary
2219	BBS	870	1	Prequalifying Research	PAI	Athma Anjali
1145	BBS	870	1	Prequalifying Research	Paydarfar	David
1147	BBS	870	1	Prequalifying Research	Pazour	Gregory
1149	BBS	870	1	Prequalifying Research	Peterson	Craig
1151	BBS	870	1	Prequalifying Research	Pryciak	Peter
2069	BBS	870	1	Prequalifying Research	Pukkila-Worley	Read
1885	BBS	870	1	Prequalifying Research	Punzo	Claudio
1153	BBS	870	1	Prequalifying Research	Ram	Sanjay
1155	BBS	870	1	Prequalifying Research	Rando	Oliver
2139	BBS	870	1	Prequalifying Research	REBOLDI	Andrea
1157	BBS	870	1	Prequalifying Research	Rhind	Nicholas
1159	BBS	870	1	Prequalifying Research	Richter	Joel
1161	BBS	870	1	Prequalifying Research	Rivera Perez	Jaime
1163	BBS	870	1	Prequalifying Research	Rock	Kenneth
2199	BBS	870	1	Prequalifying Research	Rogaev	Evgeny
1165	BBS	870	1	Prequalifying Research	Ross	Alonzo
1789	BBS	870	1	Prequalifying Research	Rothstein	Ann
1167	BBS	870	1	Prequalifying Research	Royer	William
1169	BBS	870	1	Prequalifying Research	Ruiz De Luzuriaga	Katherine
1171	BBS	870	1	Prequalifying Research	Ryder	Sean
1173	BBS	870	1	Prequalifying Research	Sagerstrom	Charles
1175	BBS	870	1	Prequalifying Research	Sassetti	Christopher
2085	BBS	870	1	Prequalifying Research	Schafer	Dorothy
1177	BBS	870	1	Prequalifying Research	Schiffer	Celia
1193	BBS	870	1	Prequalifying Research	Selin	Liisa
1733	BBS	870	1	Prequalifying Research	Sena Esteves	Miguel
2229	BBS	870	1	Prequalifying Research	Shaffer	Scott

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
5065	BBS	870	1	Prequalifying Research	Shank	Elizabeth
1179	BBS	870	1	Prequalifying Research	Shaw	Leslie
5064	BBS	870	1	Prequalifying Research	SHEN	Kuang
2163	BBS	870	1	Prequalifying Research	Shim	Jae-Hyuck
2213	BBS	870	1	Prequalifying Research	SHOHET	Jason Matthew
1181	BBS	870	1	Prequalifying Research	Silverman	Neal
1183	BBS	870	1	Prequalifying Research	Sluder	Greenfield
1185	BBS	870	1	Prequalifying Research	Socolovsky	Merav
1187	BBS	870	1	Prequalifying Research	Song	Jie
2071	BBS	870	1	Prequalifying Research	Sontheimer	Erik
1189	BBS	870	1	Prequalifying Research	Stein	Gary
1191	BBS	870	1	Prequalifying Research	Stern	Lawrence
1919	BBS	870	1	Prequalifying Research	Swain	Susan
1195	BBS	870	1	Prequalifying Research	Szabo	Gyongyi
1223	BBS	870	1	Prequalifying Research	Tapper	Andrew
1197	BBS	870	1	Prequalifying Research	Theurkauf	William
2073	BBS	870	1	Prequalifying Research	Thompson	Paul
2293	BBS	870	1	Prequalifying Research	Thomson	Travis
1199	BBS	870	1	Prequalifying Research	Tissenbaum	Heidi
1931	BBS	870	1	Prequalifying Research	Trivedi	Chinmay
1201	BBS	870	1	Prequalifying Research	Urano	Fumihiko
1203	BBS	870	1	Prequalifying Research	Walhout	Albertha
1939	BBS	870	1	Prequalifying Research	Walker	Amy
2225	BBS	870	1	Prequalifying Research	WANG	Bo
1791	BBS	870	1	Prequalifying Research	Wang	Jennifer
1793	BBS	870	1	Prequalifying Research	Waring	Molly
2169	BBS	870	1	Prequalifying Research	Watts	Jonathan
1205	BBS	870	1	Prequalifying Research	Weaver	David
1207	BBS	870	1	Prequalifying Research	Welsh	Raymond
1209	BBS	870	1	Prequalifying Research	Weng	Zhiping

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1211	BBS	870	1	Prequalifying Research	Wolfe	Scot
1213	BBS	870	1	Prequalifying Research	Woodland	Robert
1937	BBS	870	1	Prequalifying Research	Xiang	Yang
1215	BBS	870	1	Prequalifying Research	Xu	Zuoshang
2087	BBS	870	1	Prequalifying Research	Xue	Wen
2049	BBS	870	1	Prequalifying Research	Yu	Hong
1217	BBS	870	1	Prequalifying Research	Zamore	Phillip
1231	BBS	870	1	Prequalifying Research	Zeldovich	Konstantin
1219	BBS	870	1	Prequalifying Research	Zhang	Hong
1221	BBS	870	1	Prequalifying Research	ZHUGE	Ronghua
1935	BBS	870	1	Prequalifying Research	Ziedonis	Douglas
1239	BBS	900	1	Thesis Research	ACHARYA	Usha Rajagopalan Jairaj
1241	BBS	900	1	Thesis Research	Akbarian	Schahram
1243	BBS	900	1	Thesis Research	Alkema	Mark
1739	BBS	900	1	Thesis Research	Allison	Jeroan
2009	BBS	900	1	Thesis Research	Alonso	Laura
1245	BBS	900	1	Thesis Research	Ambros	Victor
2179	BBS	900	1	Thesis Research	ANACLET	Christelle
1247	BBS	900	1	Thesis Research	ANDERSON	Frederick Arthur
2089	BBS	900	1	Thesis Research	Aroian	Raffi
1249	BBS	900	1	Thesis Research	Aronin	Neil
1251	BBS	900	1	Thesis Research	Bach	Ingolf
1253	BBS	900	1	Thesis Research	Baehrecke	Eric
1795	BBS	900	1	Thesis Research	Bailey	Jeffrey
1255	BBS	900	1	Thesis Research	Baker	Richard
1981	BBS	900	1	Thesis Research	Behar	Samuel
1847	BBS	900	1	Thesis Research	Benanti	Jennifer
1797	BBS	900	1	Thesis Research	Benard	Claire
1257	BBS	900	1	Thesis Research	Berg	Leslie
1947	BBS	900	1	Thesis Research	Bergmann	Andreas

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1259	BBS	900	1	Thesis Research	Bogdanov	Alexei
2271	BBS	900	1	Thesis Research	BOGUNOVIC	Milena
1261	BBS	900	1	Thesis Research	Bolon	Daniel
1263	BBS	900	1	Thesis Research	Bortell	Rita
1265	BBS	900	1	Thesis Research	Bosch	Irene
1479	BBS	900	1	Thesis Research	Bosco	Daryl
1267	BBS	900	1	Thesis Research	Boyartchuk	Victor
1799	BBS	900	1	Thesis Research	Boyer	Edward
1983	BBS	900	1	Thesis Research	Brass	Abraham
1801	BBS	900	1	Thesis Research	Brehm	Michael
2051	BBS	900	1	Thesis Research	Brewer	Judson
2125	BBS	900	1	Thesis Research	Brewster	Robert
1269	BBS	900	1	Thesis Research	Brodsky	Michael
1483	BBS	900	1	Thesis Research	Brown	Robert
5073	BBS	900	1	Thesis Research	BUCCI	Vanni
1271	BBS	900	1	Thesis Research	Budnik	Vivian
2173	BBS	900	1	Thesis Research	BYRNE	Alexandra Catherine
1273	BBS	900	1	Thesis Research	Cantor	Sharon
1275	BBS	900	1	Thesis Research	Carruthers	Anthony
1277	BBS	900	1	Thesis Research	Castilla	Lucio
2127	BBS	900	1	Thesis Research	Cavacini	Lisa
1803	BBS	900	1	Thesis Research	Ceol	Craig
1279	BBS	900	1	Thesis Research	CHAN	Francis Ka Ming
1281	BBS	900	1	Thesis Research	Clapham	Paul
1283	BBS	900	1	Thesis Research	Clark	Robin
1741	BBS	900	1	Thesis Research	Cooper	Marcus
1285	BBS	900	1	Thesis Research	Corvera	Silvia
1287	BBS	900	1	Thesis Research	Craig	Roger
1289	BBS	900	1	Thesis Research	CZECH	Michael Paul
1291	BBS	900	1	Thesis Research	Davis	Roger

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1293	BBS	900	1	Thesis Research	Dekker	Job
1295	BBS	900	1	Thesis Research	DIFRANZA	Joseph
1297	BBS	900	1	Thesis Research	Dobner	Paul
2231	BBS	900	1	Thesis Research	Donahue	John
1299	BBS	900	1	Thesis Research	DOXSEY	Stephen John
1301	BBS	900	1	Thesis Research	Ellison	Richard
1303	BBS	900	1	Thesis Research	EMERY	Patrick
1849	BBS	900	1	Thesis Research	Fazzio	Thomas
1305	BBS	900	1	Thesis Research	Finberg	Robert
1307	BBS	900	1	Thesis Research	Fitzgerald	Katherine
2279	BBS	900	1	Thesis Research	FITZGERALD	Thomas
1309	BBS	900	1	Thesis Research	Flotte	Terence
1311	BBS	900	1	Thesis Research	Francis	Michael
1915	BBS	900	1	Thesis Research	FREEDMAN	Jane
1313	BBS	900	1	Thesis Research	Freeman	Marc
1873	BBS	900	1	Thesis Research	Futai	Kensuke
1805	BBS	900	1	Thesis Research	Gao	Fen-Biao
1317	BBS	900	1	Thesis Research	Gao	Guangping
2001	BBS	900	1	Thesis Research	Garber	Manuel
1315	BBS	900	1	Thesis Research	Gardner	Paul
1857	BBS	900	1	Thesis Research	Goguen	Jon
1319	BBS	900	1	Thesis Research	GOLDBERG	Robert Joel
1321	BBS	900	1	Thesis Research	Golenbock	Douglas
1323	BBS	900	1	Thesis Research	Gottlinger	Heinrich
1325	BBS	900	1	Thesis Research	Gravallese	Ellen
2289	BBS	900	1	Thesis Research	GRAYEDWARDS	Heather Leigh
1327	BBS	900	1	Thesis Research	Green	Michael
2209	BBS	900	1	Thesis Research	GREER	Paul Lieberman
1329	BBS	900	1	Thesis Research	Greiner	Dale
1999	BBS	900	1	Thesis Research	Grunwald	David

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1745	BBS	900	1	Thesis Research	Guertin	David
1869	BBS	900	1	Thesis Research	Han	Gang
1891	BBS	900	1	Thesis Research	Harris	John
2157	BBS	900	1	Thesis Research	Haynes	Cole
1331	BBS	900	1	Thesis Research	Hayward	Lawrence
2263	BBS	900	1	Thesis Research	Henninger	Nils
2043	BBS	900	1	Thesis Research	Huh	Jun
1333	BBS	900	1	Thesis Research	Huseby	Eric
1335	BBS	900	1	Thesis Research	Imbalzano	Anthony
1337	BBS	900	1	Thesis Research	Ip	Yicktung
2181	BBS	900	1	Thesis Research	IRAZOQUI	Javier Elbio
1339	BBS	900	1	Thesis Research	Jacobson	Allan
2265	BBS	900	1	Thesis Research	JOHNSON	Mark Damone
2019	BBS	900	1	Thesis Research	Jones	Peter
1341	BBS	900	1	Thesis Research	Jones	Stephen
1343	BBS	900	1	Thesis Research	Kang	Joonsoo
2091	BBS	900	1	Thesis Research	Karlsson	Elinor
1345	BBS	900	1	Thesis Research	Kaufman	Paul
1807	BBS	900	1	Thesis Research	Keaney	John
1985	BBS	900	1	Thesis Research	Kelch	Brian
1473	BBS	900	1	Thesis Research	Kelliher	Michelle
1887	BBS	900	1	Thesis Research	Kennedy	David
1861	BBS	900	1	Thesis Research	Khanna	Hemant
2033	BBS	900	1	Thesis Research	Khvorova	Anastasia
1747	BBS	900	1	Thesis Research	Kiefe	Catarina
2129	BBS	900	1	Thesis Research	Kim	Dohoon
1477	BBS	900	1	Thesis Research	Kim	Jason
1347	BBS	900	1	Thesis Research	King	Jean
1349	BBS	900	1	Thesis Research	Kobertz	William
1351	BBS	900	1	Thesis Research	Kornfeld	Hardy

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1909	BBS	900	1	Thesis Research	Korostelev	Andrei
1353	BBS	900	1	Thesis Research	Kowalik	Timothy
1355	BBS	900	1	Thesis Research	Kurt-Jones	Evelyn
1809	BBS	900	1	Thesis Research	Landers	John
1357	BBS	900	1	Thesis Research	Lawrence	Jeanne
1359	BBS	900	1	Thesis Research	Lawson	Nathan
2117	BBS	900	1	Thesis Research	Lee	Michael
2109	BBS	900	1	Thesis Research	Lemos	Jose
1361	BBS	900	1	Thesis Research	Levitz	Stuart
1363	BBS	900	1	Thesis Research	Lewis	Brian
1365	BBS	900	1	Thesis Research	Li	Hong-Sheng
1475	BBS	900	1	Thesis Research	Li	Shaoguang
1367	BBS	900	1	Thesis Research	Libraty	Daniel
1369	BBS	900	1	Thesis Research	Lien	Egil
2021	BBS	900	1	Thesis Research	Litvak	Vladimir
5001	BBS	900	1	Thesis Research	Lodato	Michael
1811	BBS	900	1	Thesis Research	Lois	Carlos
1371	BBS	900	1	Thesis Research	Lu	Shan
1957	BBS	900	1	Thesis Research	Luban	Jeremy
1373	BBS	900	1	Thesis Research	Luckmann	Roger
1955	BBS	900	1	Thesis Research	Maehr	Rene
1763	BBS	900	1	Thesis Research	Mandrekar	Pranoti
1485	BBS	900	1	Thesis Research	Mao	Junhao
1959	BBS	900	1	Thesis Research	Martin	Gilles
1375	BBS	900	1	Thesis Research	Massi	Francesca
1377	BBS	900	1	Thesis Research	Matthews	Charles
1379	BBS	900	1	Thesis Research	McCollum	Dannel
1487	BBS	900	1	Thesis Research	McCormick	Beth
1381	BBS	900	1	Thesis Research	Melikian	Haley
1383	BBS	900	1	Thesis Research	Mello	Craig

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1385	BBS	900	1	Thesis Research	Mercurio	Arthur
1387	BBS	900	1	Thesis Research	Miller	Stephen
2147	BBS	900	1	Thesis Research	MITCHELL	Amir Zadok
1889	BBS	900	1	Thesis Research	Moore	Constance
1389	BBS	900	1	Thesis Research	Moore	Melissa
1765	BBS	900	1	Thesis Research	Moormann	Ann
1391	BBS	900	1	Thesis Research	Morrison	Trudy
1923	BBS	900	1	Thesis Research	Muller	Christian
5031	BBS	900	1	Thesis Research	Munro	James
1393	BBS	900	1	Thesis Research	Munson	Maryann
1395	BBS	900	1	Thesis Research	Newburger	Peter
1397	BBS	900	1	Thesis Research	Ockene	Judith
2177	BBS	900	1	Thesis Research	Ortiz-Miranda	Sonia
5075	BBS	900	1	Thesis Research	ORZALLI	Megan Horn
1725	BBS	900	1	Thesis Research	Ostroff	Gary
2221	BBS	900	1	Thesis Research	PAI	Athma Anjali
1399	BBS	900	1	Thesis Research	Paydarfar	David
1401	BBS	900	1	Thesis Research	Pazour	Gregory
2111	BBS	900	1	Thesis Research	Peterson	Craig
1403	BBS	900	1	Thesis Research	Pryciak	Peter
2063	BBS	900	1	Thesis Research	Pukkila-Worley	Read
1893	BBS	900	1	Thesis Research	Punzo	Claudio
1405	BBS	900	1	Thesis Research	Ram	Sanjay
1407	BBS	900	1	Thesis Research	Rando	Oliver
2141	BBS	900	1	Thesis Research	REBOLDI	Andrea
1409	BBS	900	1	Thesis Research	Rhind	Nicholas
1411	BBS	900	1	Thesis Research	Richter	Joel
1413	BBS	900	1	Thesis Research	Rivera Perez	Jaime
1415	BBS	900	1	Thesis Research	Rock	Kenneth
2201	BBS	900	1	Thesis Research	Rogaev	Evgeny

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1417	BBS	900	1	Thesis Research	Ross	Alonzo
1813	BBS	900	1	Thesis Research	Rothstein	Ann
1419	BBS	900	1	Thesis Research	Royer	William
1421	BBS	900	1	Thesis Research	Ruiz De Luzuriaga	Katherine
1423	BBS	900	1	Thesis Research	Ryder	Sean
1425	BBS	900	1	Thesis Research	Sagerstrom	Charles
1427	BBS	900	1	Thesis Research	Sassetti	Christopher
2093	BBS	900	1	Thesis Research	Schafer	Dorothy
1429	BBS	900	1	Thesis Research	Schiffer	Celia
1743	BBS	900	1	Thesis Research	Sena Esteves	Miguel
2233	BBS	900	1	Thesis Research	Shaffer	Scott
5074	BBS	900	1	Thesis Research	Shank	Elizabeth
1431	BBS	900	1	Thesis Research	Shaw	Leslie
5076	BBS	900	1	Thesis Research	SHEN	Kuang
2175	BBS	900	1	Thesis Research	Shim	Jae-Hyuck
2215	BBS	900	1	Thesis Research	SHOHET	Jason Matthew
1433	BBS	900	1	Thesis Research	Silverman	Neal
2113	BBS	900	1	Thesis Research	Sluder	Greenfield
1435	BBS	900	1	Thesis Research	Socolovsky	Merav
1437	BBS	900	1	Thesis Research	Song	Jie
2065	BBS	900	1	Thesis Research	Sontheimer	Erik
1439	BBS	900	1	Thesis Research	Stein	Gary
1441	BBS	900	1	Thesis Research	Stern	Lawrence
1895	BBS	900	1	Thesis Research	Swain	Susan
1443	BBS	900	1	Thesis Research	Szabo	Gyongyi
1445	BBS	900	1	Thesis Research	Tapper	Andrew
1447	BBS	900	1	Thesis Research	Theurkauf	William
2067	BBS	900	1	Thesis Research	Thompson	Paul
2295	BBS	900	1	Thesis Research	Thomson	Travis
1449	BBS	900	1	Thesis Research	Tissenbaum	Heidi

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1929	BBS	900	1	Thesis Research	Trivedi	Chinmay
1451	BBS	900	1	Thesis Research	Urano	Fumihiko
1453	BBS	900	1	Thesis Research	Walhout	Albertha
1953	BBS	900	1	Thesis Research	Walker	Amy
1815	BBS	900	1	Thesis Research	Wang	Jennifer
1817	BBS	900	1	Thesis Research	Waring	Molly
2183	BBS	900	1	Thesis Research	Watts	Jonathan
1455	BBS	900	1	Thesis Research	Weaver	David
1457	BBS	900	1	Thesis Research	Welsh	Raymond
1459	BBS	900	1	Thesis Research	Weng	Zhiping
1461	BBS	900	1	Thesis Research	Wolfe	Scot
1463	BBS	900	1	Thesis Research	Woodland	Robert
1951	BBS	900	1	Thesis Research	Xiang	Yang
1465	BBS	900	1	Thesis Research	Xu	Zuoshang
2095	BBS	900	1	Thesis Research	Xue	Wen
2053	BBS	900	1	Thesis Research	Yu	Hong
1467	BBS	900	1	Thesis Research	Zamore	Phillip
1481	BBS	900	1	Thesis Research	Zeldovich	Konstantin
1469	BBS	900	1	Thesis Research	Zhang	Hong
1471	BBS	900	1	Thesis Research	ZHUGE	Ronghua
1949	BBS	900	1	Thesis Research	Ziedonis	Douglas
1489	BBS	990	1	Graduate Research	Alkema	Mark
1749	BBS	990	1	Graduate Research	Allison	Jeroan
2011	BBS	990	1	Graduate Research	Alonso	Laura
1491	BBS	990	1	Graduate Research	Ambros	Victor
2185	BBS	990	1	Graduate Research	ANACLET	Christelle
1493	BBS	990	1	Graduate Research	ANDERSON	Frederick Arthur
2097	BBS	990	1	Graduate Research	Aroian	Raffi
1495	BBS	990	1	Graduate Research	Aronin	Neil
2243	BBS	990	1	Graduate Research	Bach	Ingolf

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1497	BBS	990	1	Graduate Research	Baehrecke	Eric
1819	BBS	990	1	Graduate Research	Bailey	Jeffrey
1987	BBS	990	1	Graduate Research	Behar	Samuel
1851	BBS	990	1	Graduate Research	Benanti	Jennifer
1821	BBS	990	1	Graduate Research	Benard	Claire
1499	BBS	990	1	Graduate Research	Berg	Leslie
1961	BBS	990	1	Graduate Research	Bergmann	Andreas
5077	BBS	990	1	Graduate Research	Bogdanov	Alexei
2275	BBS	990	1	Graduate Research	BOGUNOVIC	Milena
1501	BBS	990	1	Graduate Research	Bolon	Daniel
1713	BBS	990	1	Graduate Research	Bosco	Daryl
1823	BBS	990	1	Graduate Research	Boyer	Edward
1989	BBS	990	1	Graduate Research	Brass	Abraham
1825	BBS	990	1	Graduate Research	Brehm	Michael
2055	BBS	990	1	Graduate Research	Brewer	Judson
2131	BBS	990	1	Graduate Research	Brewster	Robert
1717	BBS	990	1	Graduate Research	Brown	Robert
5078	BBS	990	1	Graduate Research	BUCCI	Vanni
1503	BBS	990	1	Graduate Research	Budnik	Vivian
2189	BBS	990	1	Graduate Research	BYRNE	Alexandra Catherine
1505	BBS	990	1	Graduate Research	Cantor	Sharon
1507	BBS	990	1	Graduate Research	Carruthers	Anthony
1509	BBS	990	1	Graduate Research	Castilla	Lucio
2133	BBS	990	1	Graduate Research	Cavacini	Lisa
1827	BBS	990	1	Graduate Research	Ceol	Craig
1511	BBS	990	1	Graduate Research	CHAN	Francis Ka Ming
1513	BBS	990	1	Graduate Research	Clapham	Paul
1515	BBS	990	1	Graduate Research	Clark	Robin
1751	BBS	990	1	Graduate Research	Cooper	Marcus
1517	BBS	990	1	Graduate Research	Corvera	Silvia

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1519	BBS	990	1	Graduate Research	CZECH	Michael Paul
1521	BBS	990	1	Graduate Research	Davis	Roger
1523	BBS	990	1	Graduate Research	Dekker	Job
2235	BBS	990	1	Graduate Research	Donahue	John
1525	BBS	990	1	Graduate Research	DOXSEY	Stephen John
1527	BBS	990	1	Graduate Research	EMERY	Patrick
1853	BBS	990	1	Graduate Research	Fazzio	Thomas
1529	BBS	990	1	Graduate Research	Finberg	Robert
1531	BBS	990	1	Graduate Research	Fitzgerald	Katherine
2281	BBS	990	1	Graduate Research	FITZGERALD	Thomas
1533	BBS	990	1	Graduate Research	Flotte	Terence
1535	BBS	990	1	Graduate Research	Francis	Michael
1917	BBS	990	1	Graduate Research	FREEDMAN	Jane
1537	BBS	990	1	Graduate Research	Freeman	Marc
1875	BBS	990	1	Graduate Research	Futai	Kensuke
1829	BBS	990	1	Graduate Research	Gao	Fen-Biao
1541	BBS	990	1	Graduate Research	Gao	Guangping
2005	BBS	990	1	Graduate Research	Garber	Manuel
1539	BBS	990	1	Graduate Research	Gardner	Paul
2239	BBS	990	1	Graduate Research	Gilmore	James
1859	BBS	990	1	Graduate Research	Goguen	Jon
1543	BBS	990	1	Graduate Research	GOLDBERG	Robert Joel
1545	BBS	990	1	Graduate Research	Golenbock	Douglas
1547	BBS	990	1	Graduate Research	Gottlinger	Heinrich
1549	BBS	990	1	Graduate Research	Gravallese	Ellen
2291	BBS	990	1	Graduate Research	GRAYEDWARDS	Heather Leigh
1551	BBS	990	1	Graduate Research	Green	Michael
2211	BBS	990	1	Graduate Research	GREER	Paul Lieberman
1553	BBS	990	1	Graduate Research	Greiner	Dale
2003	BBS	990	1	Graduate Research	Grunwald	David

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1755	BBS	990	1	Graduate Research	Guertin	David
1871	BBS	990	1	Graduate Research	Han	Gang
1901	BBS	990	1	Graduate Research	Harris	John
2159	BBS	990	1	Graduate Research	Haynes	Cole
1555	BBS	990	1	Graduate Research	Hayward	Lawrence
2267	BBS	990	1	Graduate Research	Henninger	Nils
2045	BBS	990	1	Graduate Research	Huh	Jun
1557	BBS	990	1	Graduate Research	Huseby	Eric
1559	BBS	990	1	Graduate Research	Imbalzano	Anthony
1561	BBS	990	1	Graduate Research	Ip	Yicktung
2187	BBS	990	1	Graduate Research	IRAZOQUI	Javier Elbio
1563	BBS	990	1	Graduate Research	Jacobson	Allan
2269	BBS	990	1	Graduate Research	JOHNSON	Mark Damone
2023	BBS	990	1	Graduate Research	Jones	Peter
1565	BBS	990	1	Graduate Research	Jones	Stephen
1567	BBS	990	1	Graduate Research	Kang	Joonsoo
2099	BBS	990	1	Graduate Research	Karlsson	Elinor
1569	BBS	990	1	Graduate Research	Kaufman	Paul
1831	BBS	990	1	Graduate Research	Keaney	John
1991	BBS	990	1	Graduate Research	Kelch	Brian
1571	BBS	990	1	Graduate Research	Kelliher	Michelle
1897	BBS	990	1	Graduate Research	Kennedy	David
1863	BBS	990	1	Graduate Research	Khanna	Hemant
2035	BBS	990	1	Graduate Research	Khvorova	Anastasia
1757	BBS	990	1	Graduate Research	Kiefe	Catarina
2135	BBS	990	1	Graduate Research	Kim	Dohoon
1711	BBS	990	1	Graduate Research	Kim	Jason
1573	BBS	990	1	Graduate Research	King	Jean
1577	BBS	990	1	Graduate Research	Kobertz	William
1579	BBS	990	1	Graduate Research	Kornfeld	Hardy

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1911	BBS	990	1	Graduate Research	Korostelev	Andrei
1581	BBS	990	1	Graduate Research	Kowalik	Timothy
1583	BBS	990	1	Graduate Research	Kurt-Jones	Evelyn
1833	BBS	990	1	Graduate Research	Landers	John
1585	BBS	990	1	Graduate Research	Lawrence	Jeanne
1587	BBS	990	1	Graduate Research	Lawson	Nathan
2039	BBS	990	1	Graduate Research	Lee	Michael
1589	BBS	990	1	Graduate Research	Lemos	Jose
1591	BBS	990	1	Graduate Research	Levitz	Stuart
1593	BBS	990	1	Graduate Research	Lewis	Brian
1595	BBS	990	1	Graduate Research	Li	Hong-Sheng
1709	BBS	990	1	Graduate Research	Li	Shaoguang
1597	BBS	990	1	Graduate Research	Libraty	Daniel
1599	BBS	990	1	Graduate Research	Lien	Egil
2025	BBS	990	1	Graduate Research	Litvak	Vladimir
5003	BBS	990	1	Graduate Research	Lodato	Michael
1835	BBS	990	1	Graduate Research	Lois	Carlos
1601	BBS	990	1	Graduate Research	Lu	Shan
1971	BBS	990	1	Graduate Research	Luban	Jeremy
1603	BBS	990	1	Graduate Research	Luckmann	Roger
1969	BBS	990	1	Graduate Research	Maehr	Rene
1767	BBS	990	1	Graduate Research	Mandrekar	Pranoti
1719	BBS	990	1	Graduate Research	Mao	Junhao
1973	BBS	990	1	Graduate Research	Martin	Gilles
1605	BBS	990	1	Graduate Research	Massi	Francesca
1607	BBS	990	1	Graduate Research	Matthews	Charles
1609	BBS	990	1	Graduate Research	McCollum	Dannel
1721	BBS	990	1	Graduate Research	McCormick	Beth
1611	BBS	990	1	Graduate Research	Melikian	Haley
1613	BBS	990	1	Graduate Research	Mello	Craig

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1615	BBS	990	1	Graduate Research	Mercurio	Arthur
1617	BBS	990	1	Graduate Research	Miller	Stephen
2149	BBS	990	1	Graduate Research	MITCHELL	Amir Zadok
1899	BBS	990	1	Graduate Research	Moore	Constance
1619	BBS	990	1	Graduate Research	Moore	Melissa
1769	BBS	990	1	Graduate Research	Moormann	Ann
1621	BBS	990	1	Graduate Research	Morrison	Trudy
1925	BBS	990	1	Graduate Research	Muller	Christian
5033	BBS	990	1	Graduate Research	Munro	James
1623	BBS	990	1	Graduate Research	Munson	Maryann
1625	BBS	990	1	Graduate Research	Newburger	Peter
1627	BBS	990	1	Graduate Research	Ockene	Judith
2193	BBS	990	1	Graduate Research	Ortiz-Miranda	Sonia
5079	BBS	990	1	Graduate Research	ORZALLI	Megan Horn
1727	BBS	990	1	Graduate Research	Ostroff	Gary
2223	BBS	990	1	Graduate Research	PAI	Athma Anjali
1629	BBS	990	1	Graduate Research	Paydarfar	David
1631	BBS	990	1	Graduate Research	Pazour	Gregory
1633	BBS	990	1	Graduate Research	Peterson	Craig
1635	BBS	990	1	Graduate Research	Pryciak	Peter
2075	BBS	990	1	Graduate Research	Pukkila-Worley	Read
1903	BBS	990	1	Graduate Research	Punzo	Claudio
1637	BBS	990	1	Graduate Research	Ram	Sanjay
1639	BBS	990	1	Graduate Research	Rando	Oliver
2143	BBS	990	1	Graduate Research	REBOLDI	Andrea
1641	BBS	990	1	Graduate Research	Rhind	Nicholas
1643	BBS	990	1	Graduate Research	Richter	Joel
1645	BBS	990	1	Graduate Research	Rivera Perez	Jaime
1647	BBS	990	1	Graduate Research	Rock	Kenneth
2203	BBS	990	1	Graduate Research	Rogaev	Evgeny

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1649	BBS	990	1	Graduate Research	Ross	Alonzo
1837	BBS	990	1	Graduate Research	Rothstein	Ann
1651	BBS	990	1	Graduate Research	Royer	William
1653	BBS	990	1	Graduate Research	Ruiz De Luzuriaga	Katherine
1655	BBS	990	1	Graduate Research	Ryder	Sean
1657	BBS	990	1	Graduate Research	Sagerstrom	Charles
1659	BBS	990	1	Graduate Research	Sassetti	Christopher
2101	BBS	990	1	Graduate Research	Schafer	Dorothy
1661	BBS	990	1	Graduate Research	Schiffer	Celia
1663	BBS	990	1	Graduate Research	Selin	Liisa
1753	BBS	990	1	Graduate Research	Sena Esteves	Miguel
2237	BBS	990	1	Graduate Research	Shaffer	Scott
5080	BBS	990	1	Graduate Research	Shank	Elizabeth
1665	BBS	990	1	Graduate Research	Shaw	Leslie
5081	BBS	990	1	Graduate Research	SHEN	Kuang
2191	BBS	990	1	Graduate Research	Shim	Jae-Hyuck
1667	BBS	990	1	Graduate Research	Silverman	Neal
1669	BBS	990	1	Graduate Research	Sluder	Greenfield
1671	BBS	990	1	Graduate Research	Socolovsky	Merav
1673	BBS	990	1	Graduate Research	Song	Jie
2077	BBS	990	1	Graduate Research	Sontheimer	Erik
1675	BBS	990	1	Graduate Research	Stein	Gary
1677	BBS	990	1	Graduate Research	Stern	Lawrence
1905	BBS	990	1	Graduate Research	Swain	Susan
1679	BBS	990	1	Graduate Research	Szabo	Gyongyi
1681	BBS	990	1	Graduate Research	Tapper	Andrew
1683	BBS	990	1	Graduate Research	Theurkauf	William
2079	BBS	990	1	Graduate Research	Thompson	Paul
2297	BBS	990	1	Graduate Research	Thomson	Travis
1685	BBS	990	1	Graduate Research	Tissenbaum	Heidi

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1927	BBS	990	1	Graduate Research	Trivedi	Chinmay
1687	BBS	990	1	Graduate Research	Urano	Fumihiko
1689	BBS	990	1	Graduate Research	Walhout	Albertha
1967	BBS	990	1	Graduate Research	Walker	Amy
1839	BBS	990	1	Graduate Research	Wang	Jennifer
1841	BBS	990	1	Graduate Research	Waring	Molly
2153	BBS	990	1	Graduate Research	Watts	Jonathan
1691	BBS	990	1	Graduate Research	Weaver	David
1693	BBS	990	1	Graduate Research	Welsh	Raymond
1695	BBS	990	1	Graduate Research	Weng	Zhiping
1697	BBS	990	1	Graduate Research	Wolfe	Scot
1699	BBS	990	1	Graduate Research	Woodland	Robert
1965	BBS	990	1	Graduate Research	Xiang	Yang
1701	BBS	990	1	Graduate Research	Xu	Zuoshang
2103	BBS	990	1	Graduate Research	Xue	Wen
2057	BBS	990	1	Graduate Research	Yu	Hong
1703	BBS	990	1	Graduate Research	Zamore	Phillip
1715	BBS	990	1	Graduate Research	Zeldovich	Konstantin
1705	BBS	990	1	Graduate Research	Zhang	Hong
1707	BBS	990	1	Graduate Research	ZHUGE	Ronghua
1963	BBS	990	1	Graduate Research	Ziedonis	Douglas

Clinical & Translational Science Non-Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4188	CTS	602A	CPH	Adv Epidemiology & Res Mthds	Lapane	Kate
4528	CTS	603A	CPH	Generalized Linear Models	Baron	Kelley
4402	CTS	605A	ERL	Intro to Clin.&Translat. Resea	Baron	Kelley
4402	CTS	605A	ERL	Intro to Clin.&Translat. Resea	Lapane	Kate
4182	CTS	611	CPH	Scientific Writing	Baron	Kelley
4182	CTS	611	CPH	Scientific Writing	Lapane	Kate
4184	CTS	702	CPH	Ethics for Clinical Research	Orr	Lauren
4518	CTS	799	CPH	Independent Study	Allison	Jeroan
4454	CTS	799	CPH	Independent Study	Ash	Arlene
4786	CTS	799	CPH	Independent Study	BAEK	Jong Gyu
4891	CTS	799	CPH	Independent Study	Dube	Catherine
4460	CTS	799	CPH	Independent Study	Epstein	Mara
4568	CTS	799	CPH	Independent Study	Friedmann	Peter
4186	CTS	799	CPH	Independent Study	GOLDBERG	Robert Joel
4556	CTS	799	CPH	Independent Study	Jesdale	William
4180	CTS	799	CPH	Independent Study	Lapane	Kate
4901	CTS	799	CPH	Independent Study	Lemon	Stephenie
4520	CTS	799	CPH	Independent Study	LIU	Shao-Hsien
4881	CTS	799	CPH	Independent Study	Mazor	Kathleen
4784	CTS	799	CPH	Independent Study	Nunes	Anthony
4520	CTS	799	CPH	Independent Study	Tjia	Jennifer
4548	CTS	799	CPH	Independent Study	Ulbricht	Christine
4792	CTS	802	CPH	Journal Club	GOLDBERG	Robert Joel
4526	CTS	860A	CTS	Written Qualifying Exam	Lapane	Kate
4796	CTS	860B	CTS	Oral Qualifying Exam	Lapane	Kate
4190	CTS	865	CPH	CTS TRAC MEETING	Lapane	Kate

Clinical & Translational Science Research Course Class Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
5023	CTS	550	CTS	Research Assistantship	Lapane	Kate
5024	CTS	550	CTS	Research Assistantship	Rosal	Milagros
4490	CTS	850	CTS	Research Assistantship	Aidlen	Jeremy
4302	CTS	850	CTS	Research Assistantship	Alavi	Karim
4798	CTS	850	CTS	Research Assistantship	ALCUSKY	Matthew James
4204	CTS	850	CTS	Research Assistantship	Allison	Jeroan
4370	CTS	850	CTS	Research Assistantship	ANDERSON	Frederick Arthur
4364	CTS	850	CTS	Research Assistantship	Ash	Arlene
4200	CTS	850	CTS	Research Assistantship	Boudreaux	Edwin
4340	CTS	850	CTS	Research Assistantship	Brewer	Judson
4500	CTS	850	ERL	Research Assistantship	Brewer	Judson
4534	CTS	850	CTS	Research Assistantship	Byatt	Nancy
4372	CTS	850	CTS	Research Assistantship	Clark	Robin
5084	CTS	850	CTS	Research Assistantship	Curtin	Carol
4304	CTS	850	CTS	Research Assistantship	Epstein	Mara
5082	CTS	850	CTS	Research Assistantship	Fisher	Kimberly
4560	CTS	850	CTS	Research Assistantship	Friedmann	Peter
4202	CTS	850	CTS	Research Assistantship	GOLDBERG	Robert Joel
4542	CTS	850	ERL	Research Assistantship	GOLDBERG	Robert Joel
4378	CTS	850	CTS	Research Assistantship	Harlan	David
4552	CTS	850	CTS	Research Assistantship	Houston	Thomas
4394	CTS	850	CTS	Research Assistantship	Kiefe	Catarina
4404	CTS	850	ERL	Research Assistantship	Kiefe	Catarina
4198	CTS	850	CTS	Research Assistantship	Lapane	Kate
4544	CTS	850	ERL	Research Assistantship	Lapane	Kate
4366	CTS	850	CTS	Research Assistantship	Lemon	Stephenie
4857	CTS	850	ERL	Research Assistantship	Lemon	Stephenie
4883	CTS	850	CTS	Research Assistantship	LIU	Shao-Hsien
4368	CTS	850	CTS	Research Assistantship	Luckmann	Roger
4322	CTS	850	CTS	Research Assistantship	Mattocks	Kristin

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4530	CTS	850	CTS	Research Assistantship	Mazor	Kathleen
4430	CTS	850	CTS	Research Assistantship	McManus	David
4208	CTS	850	CTS	Research Assistantship	Mick	Eric
4400	CTS	850	CTS	Research Assistantship	Moormann	Ann
5035	CTS	850	CTS	Research Assistantship	Munro	James
4893	CTS	850	CTS	Research Assistantship	Nunes	Anthony
5045	CTS	850	ERL	Research Assistantship	Nunes	Anthony
4206	CTS	850	CTS	Research Assistantship	Ockene	Judith
4398	CTS	850	CTS	Research Assistantship	Pagoto	Sherry
4196	CTS	850	CTS	Research Assistantship	Person	Sharina
4963	CTS	850	CTS	Research Assistantship	RHEIN	Lawrence
4330	CTS	850	CTS	Research Assistantship	Rosal	Milagros
4194	CTS	850	CTS	Research Assistantship	Rosen	Allison
5083	CTS	850	CTS	Research Assistantship	Rosen	Max
4396	CTS	850	CTS	Research Assistantship	Saczynski	Jane
4761	CTS	850	CTS	Research Assistantship	Sadasivam	Rajani
5085	CTS	850	CTS	Research Assistantship	Tisminetzky	Mayra
4510	CTS	850	CTS	Research Assistantship	Ulbricht	Christine
4328	CTS	850	CTS	Research Assistantship	Waring	Molly
4342	CTS	850	CTS	Research Assistantship	Yu	Hong
5005	CTS	850	CTS	Research Assistantship	ZHOU	Chan
5044	CTS	850	ERL	Research Assistantship	ZHOU	Chan
4392	CTS	850	CTS	Research Assistantship	Ziedonis	Douglas
4492	CTS	870	CTS	Pre-Thesis Research	Aidlen	Jeremy
4450	CTS	870	CTS	Pre-Thesis Research	Alavi	Karim
4800	CTS	870	CTS	Pre-Thesis Research	ALCUSKY	Matthew James
4502	CTS	870	CTS	Pre-Thesis Research	Allison	Jeroan
4536	CTS	870	CTS	Pre-Thesis Research	Byatt	Nancy
5088	CTS	870	CTS	Pre-Thesis Research	Curtin	Carol
4558	CTS	870	CTS	Pre-Thesis Research	Epstein	Mara

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
5086	CTS	870	CTS	Pre-Thesis Research	Fisher	Kimberly
4562	CTS	870	CTS	Pre-Thesis Research	Friedmann	Peter
4426	CTS	870	CTS	Pre-Thesis Research	GOLDBERG	Robert Joel
4470	CTS	870	ERL	Pre-Thesis Research	GOLDBERG	Robert Joel
4550	CTS	870	CTS	Pre-Thesis Research	Houston	Thomas
4424	CTS	870	CTS	Pre-Thesis Research	Kiefe	Catarina
4428	CTS	870	CTS	Pre-Thesis Research	Lapane	Kate
4420	CTS	870	CTS	Pre-Thesis Research	Lemon	Stephenie
4885	CTS	870	CTS	Pre-Thesis Research	LIU	Shao-Hsien
4504	CTS	870	CTS	Pre-Thesis Research	Mattocks	Kristin
4532	CTS	870	CTS	Pre-Thesis Research	Mazor	Kathleen
4875	CTS	870	CTS	Pre-Thesis Research	Mazor	Kathleen
4456	CTS	870	CTS	Pre-Thesis Research	McCormick	Beth
4432	CTS	870	CTS	Pre-Thesis Research	McManus	David
5036	CTS	870	CTS	Pre-Thesis Research	Munro	James
5037	CTS	870	ERL	Pre-Thesis Research	Munro	James
4895	CTS	870	CTS	Pre-Thesis Research	Nunes	Anthony
4422	CTS	870	CTS	Pre-Thesis Research	Ockene	Judith
4444	CTS	870	CTS	Pre-Thesis Research	Pagoto	Sherry
4446	CTS	870	CTS	Pre-Thesis Research	Person	Sharina
4965	CTS	870	CTS	Pre-Thesis Research	RHEIN	Lawrence
4458	CTS	870	CTS	Pre-Thesis Research	Rosal	Milagros
5087	CTS	870	CTS	Pre-Thesis Research	Rosen	Max
4763	CTS	870	CTS	Pre-Thesis Research	Sadasivam	Rajani
5089	CTS	870	CTS	Pre-Thesis Research	Tisminetzky	Mayra
4554	CTS	870	CTS	Pre-Thesis Research	Tjia	Jennifer
4512	CTS	870	CTS	Pre-Thesis Research	Ulbricht	Christine
5007	CTS	870	CTS	Pre-Thesis Research	ZHOU	Chan
4494	CTS	900	CTS	Thesis Research	Aidlen	Jeremy
4306	CTS	900	CTS	Thesis Research	Alavi	Karim

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4802	CTS	900	CTS	Thesis Research	ALCUSKY	Matthew James
4216	CTS	900	CTS	Thesis Research	Allison	Jeroan
4476	CTS	900	CTS	Thesis Research	ANACLET	Christelle
4214	CTS	900	CTS	Thesis Research	ANDERSON	Frederick Arthur
4230	CTS	900	CTS	Thesis Research	Ash	Arlene
4344	CTS	900	CTS	Thesis Research	Brewer	Judson
4538	CTS	900	CTS	Thesis Research	Byatt	Nancy
4212	CTS	900	CTS	Thesis Research	Clark	Robin
5092	CTS	900	CTS	Thesis Research	Curtin	Carol
4308	CTS	900	CTS	Thesis Research	Epstein	Mara
5090	CTS	900	CTS	Thesis Research	Fisher	Kimberly
4564	CTS	900	CTS	Thesis Research	Friedmann	Peter
4218	CTS	900	CTS	Thesis Research	GOLDBERG	Robert Joel
4380	CTS	900	CTS	Thesis Research	Harlan	David
4478	CTS	900	CTS	Thesis Research	IRAZOQUI	Javier Elbio
4390	CTS	900	CTS	Thesis Research	Kiefe	Catarina
4226	CTS	900	CTS	Thesis Research	King	Jean
4546	CTS	900	CTS	Thesis Research	LAFEMINA	Jennifer
4236	CTS	900	CTS	Thesis Research	Lapane	Kate
4220	CTS	900	CTS	Thesis Research	Lemon	Stephenie
4887	CTS	900	CTS	Thesis Research	LIU	Shao-Hsien
4210	CTS	900	CTS	Thesis Research	Luckmann	Roger
4324	CTS	900	CTS	Thesis Research	Mattocks	Kristin
4877	CTS	900	CTS	Thesis Research	Mazor	Kathleen
4434	CTS	900	CTS	Thesis Research	McManus	David
4238	CTS	900	CTS	Thesis Research	Mick	Eric
4232	CTS	900	CTS	Thesis Research	Moore	Constance
5039	CTS	900	CTS	Thesis Research	Munro	James
4897	CTS	900	CTS	Thesis Research	Nunes	Anthony
4506	CTS	900	CTS	Thesis Research	Ockene	Judith

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4224	CTS	900	CTS	Thesis Research	Paydarfar	David
4228	CTS	900	CTS	Thesis Research	Person	Sharina
4969	CTS	900	CTS	Thesis Research	RHEIN	Lawrence
4332	CTS	900	CTS	Thesis Research	Rosal	Milagros
4222	CTS	900	CTS	Thesis Research	Rosen	Allison
5091	CTS	900	CTS	Thesis Research	Rosen	Max
4234	CTS	900	CTS	Thesis Research	Saczynski	Jane
4767	CTS	900	CTS	Thesis Research	Sadasivam	Rajani
5093	CTS	900	CTS	Thesis Research	Tisminetzky	Mayra
4514	CTS	900	CTS	Thesis Research	Ulbricht	Christine
4374	CTS	900	CTS	Thesis Research	Waring	Molly
4480	CTS	900	CTS	Thesis Research	Watts	Jonathan
4346	CTS	900	CTS	Thesis Research	Yu	Hong
5009	CTS	900	CTS	Thesis Research	ZHOU	Chan
5011	CTS	900	CTS	Thesis Research	ZHOU	Chan
4388	CTS	900	CTS	Thesis Research	Ziedonis	Douglas
4496	CTS	990	CTS	Graduate Research	Aidlen	Jeremy
4310	CTS	990	CTS	Graduate Research	Alavi	Karim
4804	CTS	990	CTS	Graduate Research	ALCUSKY	Matthew James
4260	CTS	990	CTS	Graduate Research	Allison	Jeroan
4482	CTS	990	CTS	Graduate Research	ANACLET	Christelle
4254	CTS	990	CTS	Graduate Research	ANDERSON	Frederick Arthur
4192	CTS	990	CTS	Graduate Research	Ash	Arlene
4276	CTS	990	CTS	Graduate Research	Bandini	Linda
4350	CTS	990	CTS	Graduate Research	Bova	Carol
4348	CTS	990	CTS	Graduate Research	Brewer	Judson
4540	CTS	990	CTS	Graduate Research	Byatt	Nancy
4416	CTS	990	CTS	Graduate Research	Clark	Melissa
4248	CTS	990	CTS	Graduate Research	Clark	Robin
5096	CTS	990	CTS	Graduate Research	Curtin	Carol

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4412	CTS	990	CTS	Graduate Research	Deligiannidis	Kristina
4290	CTS	990	CTS	Graduate Research	DIFRANZA	Joseph
4484	CTS	990	CTS	Graduate Research	Donahue	John
4352	CTS	990	CTS	Graduate Research	Dube	Catherine
4312	CTS	990	CTS	Graduate Research	Epstein	Mara
4256	CTS	990	CTS	Graduate Research	Etzel	Lori
4354	CTS	990	CTS	Graduate Research	Fang	Hua
4266	CTS	990	CTS	Graduate Research	FIELD	Terry
5094	CTS	990	CTS	Graduate Research	Fisher	Kimberly
4262	CTS	990	CTS	Graduate Research	Fisher	William
4268	CTS	990	CTS	Graduate Research	Franklin	Patricia
4272	CTS	990	CTS	Graduate Research	Frazier	Jean
4566	CTS	990	CTS	Graduate Research	Friedmann	Peter
4264	CTS	990	CTS	Graduate Research	GOLDBERG	Robert Joel
4382	CTS	990	CTS	Graduate Research	Harlan	David
4356	CTS	990	CTS	Graduate Research	Hoaglin	David
4358	CTS	990	CTS	Graduate Research	Hogan	Timothy
4278	CTS	990	CTS	Graduate Research	Houston	Thomas
4486	CTS	990	CTS	Graduate Research	IRAZOQUI	Javier Elbio
4384	CTS	990	CTS	Graduate Research	Kiefe	Catarina
4282	CTS	990	CTS	Graduate Research	King	Jean
4338	CTS	990	CTS	Graduate Research	LAFEMINA	Jennifer
4298	CTS	990	CTS	Graduate Research	Lapane	Kate
4270	CTS	990	CTS	Graduate Research	Lemon	Stephenie
4246	CTS	990	CTS	Graduate Research	Lilly	Craig
4889	CTS	990	CTS	Graduate Research	LIU	Shao-Hsien
4244	CTS	990	CTS	Graduate Research	Luckmann	Roger
4314	CTS	990	CTS	Graduate Research	Madison	John
4252	CTS	990	CTS	Graduate Research	Madoff	Lawrence
4286	CTS	990	CTS	Graduate Research	Marsh	Wendy

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4462	CTS	990	CTS	Graduate Research	MARTINS	Paulo
4326	CTS	990	CTS	Graduate Research	Mattocks	Kristin
4524	CTS	990	CTS	Graduate Research	Mazor	Kathleen
4879	CTS	990	CTS	Graduate Research	Mazor	Kathleen
4240	CTS	990	CTS	Graduate Research	McLaughlin	Thomas
4436	CTS	990	CTS	Graduate Research	McManus	David
4300	CTS	990	CTS	Graduate Research	Mick	Eric
4292	CTS	990	CTS	Graduate Research	Moore	Constance
5041	CTS	990	CTS	Graduate Research	Munro	James
4899	CTS	990	CTS	Graduate Research	Nunes	Anthony
4258	CTS	990	CTS	Graduate Research	Ockene	Ira
4508	CTS	990	CTS	Graduate Research	Ockene	Judith
4316	CTS	990	CTS	Graduate Research	OLENDZKI	Barbara
4280	CTS	990	CTS	Graduate Research	Paydarfar	David
4284	CTS	990	CTS	Graduate Research	Person	Sharina
4242	CTS	990	CTS	Graduate Research	Reed	George
4975	CTS	990	CTS	Graduate Research	RHEIN	Lawrence
4334	CTS	990	CTS	Graduate Research	Rosal	Milagros
4274	CTS	990	CTS	Graduate Research	Rosen	Allison
4360	CTS	990	CTS	Graduate Research	Rosen	Amy
5095	CTS	990	CTS	Graduate Research	Rosen	Max
4250	CTS	990	CTS	Graduate Research	Rothman	Alan
4294	CTS	990	CTS	Graduate Research	Saczynski	Jane
4771	CTS	990	CTS	Graduate Research	Sadasivam	Rajani
4318	CTS	990	CTS	Graduate Research	Santry	Heena
4288	CTS	990	CTS	Graduate Research	Schneider	Kristin
4466	CTS	990	CTS	Graduate Research	Smelson	David
4320	CTS	990	CTS	Graduate Research	Spencer	Frederick
5097	CTS	990	CTS	Graduate Research	Tisminetzky	Mayra
4516	CTS	990	CTS	Graduate Research	Ulbricht	Christine

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4296	CTS	990	CTS	Graduate Research	Ware	John
4376	CTS	990	CTS	Graduate Research	Waring	Molly
4488	CTS	990	CTS	Graduate Research	Watts	Jonathan
4362	CTS	990	CTS	Graduate Research	Yu	Hong
5013	CTS	990	CTS	Graduate Research	ZHOU	Chan
4386	CTS	990	CTS	Graduate Research	Ziedonis	Douglas

MD/PhD Course Numbers

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3839	BBS	865	MDP	BBS TRAC Meeting	Lane	Mary
3974	BBS	870	MDP	Prequalifying Research	Baehrecke	Eric
5052	BBS	870	MDP	Prequalifying Research	Behar	Samuel
3976	BBS	870	MDP	Prequalifying Research	Boudreaux	Edwin
4845	BBS	870	MDP	Prequalifying Research	Brehm	Michael
4940	BBS	870	MDP	Prequalifying Research	GRAYEDWARDS	Heather Leigh
4847	BBS	870	MDP	Prequalifying Research	Haynes	Cole
4745	BBS	870	MDP	Prequalifying Research	Henninger	Nils
4747	BBS	870	MDP	Prequalifying Research	JOHNSON	Mark Damone
3978	BBS	870	MDP	Prequalifying Research	Khvorova	Anastasia
5050	BBS	870	MDP	Prequalifying Research	McCormick	Beth
5030	BBS	870	MDP	Prequalifying Research	Munro	James
4851	BBS	870	MDP	Prequalifying Research	Pazour	Gregory
4843	BBS	870	MDP	Prequalifying Research	Peterson	Craig
3980	BBS	870	MDP	Prequalifying Research	Peterson	Craig
3982	BBS	870	MDP	Prequalifying Research	Pukkila-Worley	Read
5049	BBS	870	MDP	Prequalifying Research	REBOLDI	Andrea
3984	BBS	870	MDP	Prequalifying Research	Rhind	Nicholas
4849	BBS	870	MDP	Prequalifying Research	Richter	Joel
5051	BBS	870	MDP	Prequalifying Research	Sena Esteves	Miguel
4100	BBS	870	MDP	Prequalifying Research	SHOHET	Jason Matthew
4072	BBS	870	MDP	Prequalifying Research	Sontheimer	Erik

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4955	BBS	870	MDP	Prequalifying Research	Thomson	Travis
3986	BBS	870	MDP	Prequalifying Research	Weng	Zhiping
3988	BBS	870	MDP	Prequalifying Research	Xue	Wen
3990	BBS	900	MDP	Thesis Research	Alonso	Laura
4147	BBS	900	MDP	Thesis Research	ANACLET	Christelle
4155	BBS	900	MDP	Thesis Research	Baehrecke	Eric
4145	BBS	900	MDP	Thesis Research	Boudreaux	Edwin
3892	BBS	900	MDP	Thesis Research	Ceol	Craig
4812	BBS	900	MDP	Thesis Research	EMERY	Patrick
4814	BBS	900	MDP	Thesis Research	Fitzgerald	Katherine
4141	BBS	900	MDP	Thesis Research	Futai	Kensuke
4943	BBS	900	MDP	Thesis Research	GRAYEDWARDS	Heather Leigh
5060	BBS	900	MDP	Thesis Research	Green	Michael
3994	BBS	900	MDP	Thesis Research	Harris	John
5059	BBS	900	MDP	Thesis Research	Haynes	Cole
4751	BBS	900	MDP	Thesis Research	Henninger	Nils
3996	BBS	900	MDP	Thesis Research	Huh	Jun
4025	BBS	900	MDP	Thesis Research	IRAZOQUI	Javier Elbio
4753	BBS	900	MDP	Thesis Research	JOHNSON	Mark Damone
4816	BBS	900	MDP	Thesis Research	Kelliher	Michelle
4143	BBS	900	MDP	Thesis Research	Khvorova	Anastasia
3890	BBS	900	MDP	Thesis Research	Lee	Michael
4082	BBS	900	MDP	Thesis Research	Luban	Jeremy
3998	BBS	900	MDP	Thesis Research	McCormick	Beth
4035	BBS	900	MDP	Thesis Research	McManus	David
4818	BBS	900	MDP	Thesis Research	Melikian	Haley
4000	BBS	900	MDP	Thesis Research	Mercurio	Arthur
3898	BBS	900	MDP	Thesis Research	Moore	Melissa
5032	BBS	900	MDP	Thesis Research	Munro	James
4139	BBS	900	MDP	Thesis Research	Peterson	Craig

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4149	BBS	900	MDP	Thesis Research	Pukkila-Worley	Read
3894	BBS	900	MDP	Thesis Research	Richter	Joel
4920	BBS	900	MDP	Thesis Research	Lane	Mary
4820	BBS	900	MDP	Thesis Research	Rothstein	Ann
3896	BBS	900	MDP	Thesis Research	Sassetti	Christopher
3992	BBS	900	MDP	Thesis Research	Schafer	Dorothy
4153	BBS	900	MDP	Thesis Research	Sontheimer	Erik
4958	BBS	900	MDP	Thesis Research	Thomson	Travis
4105	BBS	900	MDP	Thesis Research	WANG	Bo
4027	BBS	900	MDP	Thesis Research	Watts	Jonathan
4151	BBS	900	MDP	Thesis Research	Weng	Zhiping
4157	BBS	900	MDP	Thesis Research	Xue	Wen
4169	BBS	990	MDP	Graduate Research	Alonso	Laura
4029	BBS	990	MDP	Graduate Research	ANACLET	Christelle
3799	BBS	990	MDP	Graduate Research	Aronin	Neil
4822	BBS	990	MDP	Graduate Research	Baehrecke	Eric
3837	BBS	990	MDP	Graduate Research	Behar	Samuel
3908	BBS	990	MDP	Graduate Research	Bosco	Daryl
4824	BBS	990	MDP	Graduate Research	Boudreaux	Edwin
3870	BBS	990	MDP	Graduate Research	Brewster	Robert
3803	BBS	990	MDP	Graduate Research	Brown	Robert
4039	BBS	990	MDP	Graduate Research	BYRNE	Alexandra Catherine
3872	BBS	990	MDP	Graduate Research	Cavacini	Lisa
4076	BBS	990	MDP	Graduate Research	Ceol	Craig
3833	BBS	990	MDP	Graduate Research	Cooper	Marcus
5056	BBS	990	MDP	Graduate Research	EMERY	Patrick
5061	BBS	990	MDP	Graduate Research	Fitzgerald	Katherine
4826	BBS	990	MDP	Graduate Research	Futai	Kensuke
3805	BBS	990	MDP	Graduate Research	Gardner	Paul
3807	BBS	990	MDP	Graduate Research	Golenbock	Douglas

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3835	BBS	990	MDP	Graduate Research	Gravallese	Ellen
4946	BBS	990	MDP	Graduate Research	GRAYEDWARDS	Heather Leigh
4070	BBS	990	MDP	Graduate Research	GREER	Paul Lieberman
3904	BBS	990	MDP	Graduate Research	Guertin	David
3910	BBS	990	MDP	Graduate Research	Harris	John
3801	BBS	990	MDP	Graduate Research	Lane	Mary
3934	BBS	990	MDP	Graduate Research	Haynes	Cole
4757	BBS	990	MDP	Graduate Research	Henninger	Nils
4031	BBS	990	MDP	Graduate Research	IRAZOQUI	Javier Elbio
4759	BBS	990	MDP	Graduate Research	JOHNSON	Mark Damone
5055	BBS	990	MDP	Graduate Research	Kelliher	Michelle
4834	BBS	990	MDP	Graduate Research	Khvorova	Anastasia
3874	BBS	990	MDP	Graduate Research	Kim	Dohoon
3809	BBS	990	MDP	Graduate Research	Kurt-Jones	Evelyn
3900	BBS	990	MDP	Graduate Research	Lawrence	Jeanne
4074	BBS	990	MDP	Graduate Research	Lee	Michael
3811	BBS	990	MDP	Graduate Research	Levitz	Stuart
3813	BBS	990	MDP	Graduate Research	Li	Hong-Sheng
3815	BBS	990	MDP	Graduate Research	Lien	Egil
4167	BBS	990	MDP	Graduate Research	Luban	Jeremy
4163	BBS	990	MDP	Graduate Research	McCormick	Beth
4037	BBS	990	MDP	Graduate Research	McManus	David
5054	BBS	990	MDP	Graduate Research	Melikian	Haley
4159	BBS	990	MDP	Graduate Research	Mercurio	Arthur
3920	BBS	990	MDP	Graduate Research	MITCHELL	Amir Zadok
5034	BBS	990	MDP	Graduate Research	Munro	James
4023	BBS	990	MDP	Graduate Research	Ortiz-Miranda	Sonia
4002	BBS	990	MDP	Graduate Research	Pazour	Gregory
4828	BBS	990	MDP	Graduate Research	Peterson	Craig
4830	BBS	990	MDP	Graduate Research	Pukkila-Worley	Read

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
3885	BBS	990	MDP	Graduate Research	REBOLDI	Andrea
3817	BBS	990	MDP	Graduate Research	Rhind	Nicholas
3819	BBS	990	MDP	Graduate Research	Richter	Joel
3902	BBS	990	MDP	Graduate Research	Rock	Kenneth
4058	BBS	990	MDP	Graduate Research	Rogaev	Evgeny
5053	BBS	990	MDP	Graduate Research	Rothstein	Ann
4004	BBS	990	MDP	Graduate Research	Sassetti	Christopher
4161	BBS	990	MDP	Graduate Research	Schafer	Dorothy
3821	BBS	990	MDP	Graduate Research	Schiffer	Celia
3823	BBS	990	MDP	Graduate Research	Shaw	Leslie
4041	BBS	990	MDP	Graduate Research	Shim	Jae-Hyuck
4090	BBS	990	MDP	Graduate Research	SHOHET	Jason Matthew
3825	BBS	990	MDP	Graduate Research	Song	Jie
4832	BBS	990	MDP	Graduate Research	Sontheimer	Erik
3827	BBS	990	MDP	Graduate Research	Szabo	Gyongyi
4961	BBS	990	MDP	Graduate Research	Thomson	Travis
3906	BBS	990	MDP	Graduate Research	Trivedi	Chinmay
3841	BBS	990	MDP	Graduate Research	Walhout	Albertha
4103	BBS	990	MDP	Graduate Research	WANG	Bo
4033	BBS	990	MDP	Graduate Research	Watts	Jonathan
3829	BBS	990	MDP	Graduate Research	Weng	Zhiping
4165	BBS	990	MDP	Graduate Research	Xue	Wen
3831	BBS	990	MDP	Graduate Research	Zamore	Phillip
4922	CQLS	502	MDP	Operating Systems (WPI)	Grunwald	David
5021	CQLS	534	MDP	Artificial Intelligence (WPI)	Grunwald	David
4924	CQLS	585	MDP	Big Data Management (WPI)	Grunwald	David
4916	CQLS	602	MDP	Preparation Qualifying Exam	Lane	Mary
4914	CQLS	870	MDP	Prequalifying Research	Grunwald	David
4853	CTS	870	MDP	Pre-Thesis Research	Ash	Arlene
5058	CTS	870	MDP	Pre-Thesis Research	Friedmann	Peter

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4472	CTS	870	MDP	Pre-Thesis Research	Lapane	Kate
4474	CTS	870	MDP	Pre-Thesis Research	McManus	David
5038	CTS	870	MDP	Pre-Thesis Research	Munro	James
4967	CTS	870	MDP	Pre-Thesis Research	RHEIN	Lawrence
4765	CTS	870	MDP	Pre-Thesis Research	Sadasivam	Rajani
4855	CTS	870	MDP	Pre-Thesis Research	Ulbricht	Christine
4859	CTS	870	MDP	Pre-Thesis Research	Ulbricht	Christine
5057	CTS	870	MDP	Pre-Thesis Research	WANG	Bo
4865	CTS	900	MDP	Thesis Research	Ash	Arlene
4836	CTS	900	MDP	Thesis Research	Friedmann	Peter
5040	CTS	900	MDP	Thesis Research	Munro	James
4971	CTS	900	MDP	Thesis Research	RHEIN	Lawrence
4769	CTS	900	MDP	Thesis Research	Sadasivam	Rajani
4863	CTS	900	MDP	Thesis Research	Ulbricht	Christine
4498	CTS	990	MDP	Graduate Research	Aidlen	Jeremy
4406	CTS	990	MDP	Graduate Research	Allison	Jeroan
4408	CTS	990	MDP	Graduate Research	ANDERSON	Frederick Arthur
4869	CTS	990	MDP	Graduate Research	Ash	Arlene
4418	CTS	990	MDP	Graduate Research	Clark	Melissa
4410	CTS	990	MDP	Graduate Research	Clark	Robin
4414	CTS	990	MDP	Graduate Research	Deligiannidis	Kristina
5062	CTS	990	MDP	Graduate Research	Friedmann	Peter
4440	CTS	990	MDP	Graduate Research	Kiefe	Catarina
4838	CTS	990	MDP	Graduate Research	Lapane	Kate
4442	CTS	990	MDP	Graduate Research	Luckmann	Roger
4464	CTS	990	MDP	Graduate Research	MARTINS	Paulo
4522	CTS	990	MDP	Graduate Research	Mazor	Kathleen
4438	CTS	990	MDP	Graduate Research	McManus	David
5042	CTS	990	MDP	Graduate Research	Munro	James
4977	CTS	990	MDP	Graduate Research	RHEIN	Lawrence

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4773	CTS	990	MDP	Graduate Research	Sadasivam	Rajani
4468	CTS	990	MDP	Graduate Research	Smelson	David
4867	CTS	990	MDP	Graduate Research	Ulbricht	Christine
4910	IPE-G	801	MDP	Qualitative Methods	Morris	Nancy
4578	MDP	740A	MDP	Dev. Solutions Res.Prob.A Yr1	Baron	Kelley
4578	MDP	740A	MDP	Dev. Solutions Res.Prob.A Yr1	Corvera	Silvia
4578	MDP	740A	MDP	Dev. Solutions Res.Prob.A Yr1	Dube	Catherine
4644	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Alonso	Laura
4722	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ash	Arlene
4674	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Baehrecke	Eric
4698	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Bailey	Jeffrey
4912	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Behar	Samuel
4700	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Berg	Leslie
4612	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Bosco	Daryl
4652	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Brehm	Michael
4708	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Caffrey	Daniel
4622	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ceol	Craig
4626	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Corvera	Silvia
4666	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Deligiannidis	Kristina
4688	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Donahue	John
4706	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Dube	Catherine
4618	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Epstein	Mara
4648	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Fitzgerald	Katherine
4680	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Francis	Michael
4989	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Friedmann	Peter
4628	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	GOLDBERG	Robert Joel
4604	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Grigg	Peter
4610	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Guertin	David
4590	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Harris	John
4718	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Haynes	Cole

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4690	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	IRAZOQUI	Javier Elbio
4702	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Keaney	John
4696	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Kelliher	Michelle
4614	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Khanna	Hemant
4668	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Khvorova	Anastasia
4596	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Lawrence	Jeanne
4624	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Lee	Michael
4592	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Levitz	Stuart
4606	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Luckmann	Roger
4981	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	MARTINS	Paulo
4694	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	McCormick	Beth
4676	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	McManus	David
4704	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Melikian	Haley
4646	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Mercurio	Arthur
4626	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Michelson	Anne
4630	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Moore	Melissa
4602	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Paydarfar	David
4716	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Pazour	Gregory
4672	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Peterson	Craig
4634	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Pukkila-Worley	Read
4987	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Rando	Oliver
4682	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Rhind	Nicholas
4720	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Richter	Joel
4598	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sassetti	Christopher
4650	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Schafer	Dorothy
4594	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Schiffer	Celia
4608	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sena Esteves	Miguel
4586	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Shaw	Leslie
4712	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	SHOHET	Jason Matthew
4636	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sontheimer	Erik

Class No.	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4620	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Szabo	Gyongyi
4684	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Tapper	Andrew
4638	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Thompson	Paul
4616	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Tjia	Jennifer
4600	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Trivedi	Chinmay
4710	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ulbricht	Christine
4584	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Walhout	Albertha
4632	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Walz	Jens
4714	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	WANG	Bo
4640	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Wang	Donghai
4654	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ward	Doyle
4692	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Watts	Jonathan
4678	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Weng	Zhiping
4588	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Woodland	Robert
4642	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Xue	Wen
4582	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Zhang	Nanyin
4670	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ziedonis	Douglas
4580	MDP	740C	MDP	Dev. Solutions Res.Prob.C Yr3	Birtz	Alicia
4658	MDP	741	MDP	Intro. to Translational Med	Birtz	Alicia
4660	MDP	742	MDP	MD/PhD HIPAA & OSHA Cert.	Birtz	Alicia
4664	MDP	744	MDP	MD/PhD Learning Communities	Corvera	Silvia
4662	MDP	800	MDP	MD/PhD Seminar	Birtz	Alicia
4656	MDP	990	MDP	MD/PhD Grad.Res.Stu Post-Disse	Birtz	Alicia