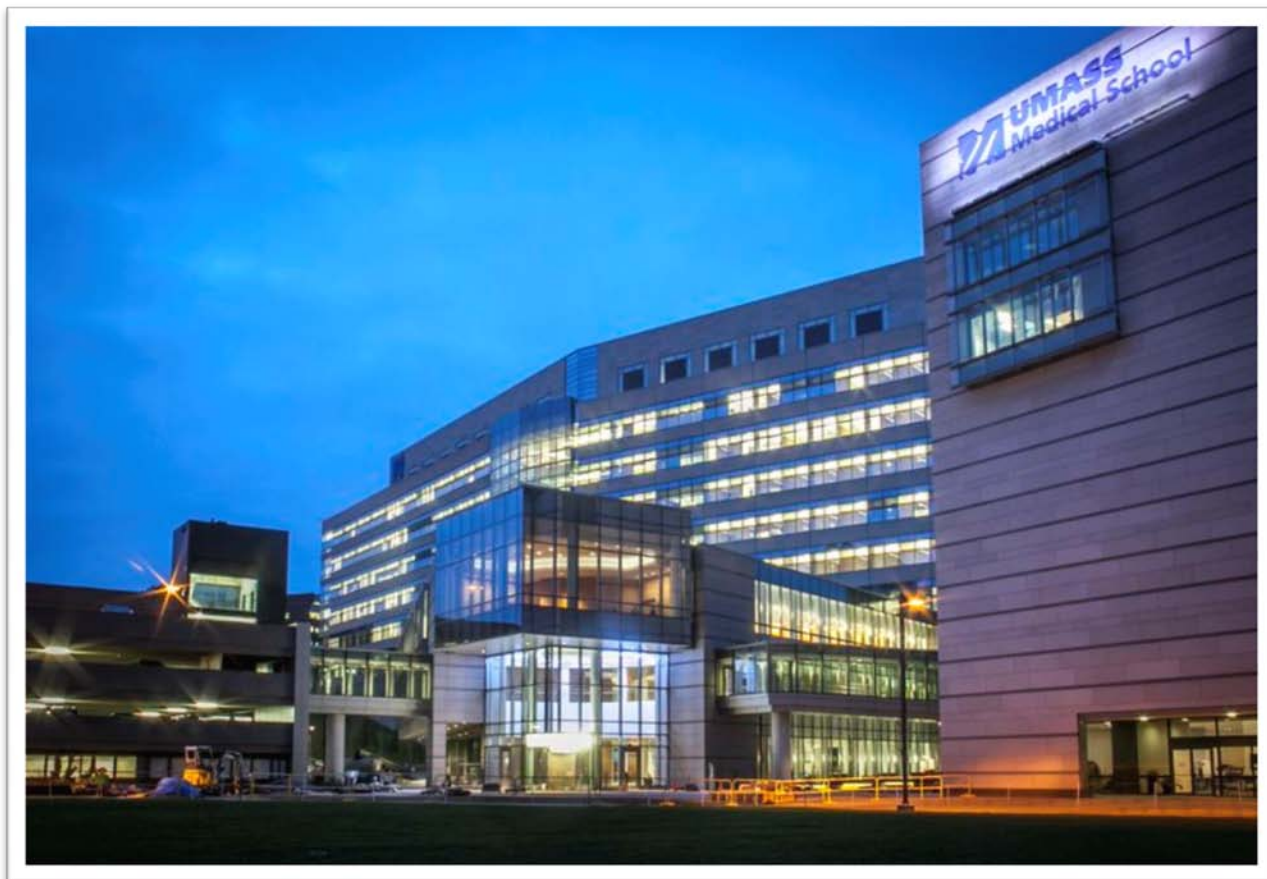




Graduate School of Biomedical Sciences



Course Catalog & Registration Fall 2016

Registration Open: July 28, 2016 – August 18, 2016

CONTENTS

GSBS Fall 2016 Registration Instructions	3
PeopleSoft Campus Solutions (PSCS) On-line Registration	3
To begin online Registration	3
PSCS Online Training for Students	3
Registration Changes, Course Drops or Adds	3
Class Numbers	3
Class Meeting Information	3
Assistance	4
Assistance with PSCS Password or Access Problems	4
Assistance with Administrative Questions	4
Assistance with Advanced Topics or Academic Questions Related to Courses	4
Graduate Program Directors	4
Courses for Fall Registration	5
Basic & Biomedical Sciences Courses	5
Clinical & Translational Science Courses	18
Health Sciences Preparatory Program Courses	28
MD/PhD Courses	30
Class Number List	36
Basic & Biomedical Science Class Numbers	36
Non-Research Course Class Numbers	36
Research Course Class Numbers	36
Clinical & Translational Science Class Numbers	61
Non-Research Course Class Numbers	61
Research Course Class Numbers	61
Health Sciences Preparatory Program Class Numbers	66
MD/PhD Class Numbers	66
Non-Research Course Class Numbers	66
Research Course Class Numbers	67

GSBS FALL 2016 REGISTRATION INSTRUCTIONS

Registration Period: 7/28/2016 – 8/18/2016

Final Date for add/drop: 9/11/2016

PeopleSoft Campus Solutions (PSCS) On-line Registration

To begin online Registration

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

<https://wsa-prd.umasscs.net/psp/wsaprd90/?cmd=login&languageCd=ENG>

PSCS Online Training for Students

<http://inside.umassmed.edu/registrar/Peoplesoft/Online-Training-for-Students/>

Registration Changes, Course Drops or Adds

Instructions for changing your registration on-line in PSCS can be found in the PSCS online training (see link above). They can also be made manually through the Graduate School office using the Registration Change Form

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 Coordinator 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 PSCS Password or Access Problems

Contact the UMWHelpdesk, 508-856-8643 umwhelpdesk@umassmed.edu

Assistance with Administrative Questions

Basic & Biomedical Sciences Students Contact:

Mary Ellen Lane, S1-824, 508-856-4018, maryellen.lane@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 or Academic Questions Related to Courses

Students are advised to meet with their Graduate Program Director, Thesis Advisor or with Associate Dean Lane for assistance in selecting Advanced Topics or Elective Courses, or if you have questions related to program or course requirements.

Graduate Program Directors

Program	Name	Location	Telephone
Biochemistry and Molecular Pharmacology	Kobertz, William	LRB-804	508-856-8861
Bioinformatics & Computational Biology	Zeldovich, Konstantin	S5-410	508-856-2354
Cancer Biology	Cantor, Sharon	LRB-415	508-856-4421
Cancer Biology	Mercurio, Arthur	LRB-408	508-856-8676
Cell Biology	Imbalzano, Anthony	S3-125	508-856-1029
Clinical & Population Health Research	Lapane, Kate	AC7-073	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	S1-824	508-856-8025
Millennium MD/PhD Program	Kornfeld, Hardy	S1-824	508-856-8025
MS in Clinical Investigation	Goldberg, Robert	S1-824	508-856-8025
Neuroscience	Weaver, David	LRB-723	508-856-2495
Pathway to Graduate Study	Lewis, Brian	LRB-521	508-856-4325
Translational Science	Mandrekar, Pranoti	LRB-221	508-856-5391
Translational Science	Royer, William	LRB-921	508-856-6912

COURSES FOR FALL REGISTRATION

Basic & Biomedical Sciences Courses

BBS 550 - Laboratory Rotation (PGSP)	Class #: See class number list
<p>Course Description</p> <p>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.</p>	<p>Course Coordinator: Lewis, Brian email: brian.lewis@umassmed.edu Phone: 6-4325 Location: LRB, 521</p> <p>Course Coordinator 2: Knight, Kendall</p> <p>Prerequisites: None</p> <p>Credits: 1-5</p> <p>Grading: Pass/Marginal Pass/Fail</p> <p>Associated Programs: Pathway to Graduate Study</p> <p>Class Meeting Information:</p> <p>Additional notes:</p> <p>Required Textbooks:</p> <p>Recommended Textbooks:</p>

BBS 601 - Professionalism and Research Conduct (PARC)	Class #: 1789
<p>Course Description</p> <p>This is a required course for all 3rd year Basic Sciences students and all MD/PhD students entering doctoral study but who are not on the CPHR track. The PARC course helps to center our students in areas that are foundational to success in research - responsible data management, management of intellectual property, the ethical use of research subjects, recognizing and resolving conflicts of interest, professionalism in peer review and publishing, engaging mentors and career exploration and planning. The PARC course comprises faculty-led presentations and small group discussions with case studies and workshop material. An on line learning module (CITI training program comprising many case studies) is also included which must be completed before the end of the fall semester. Students required to take the fall PARC course will be block-registered.</p>	<p>Course Coordinator: Carruthers,A email: anthony.carruthers@umassmed.edu Phone: 6-6074 Location: S1-824</p> <p>Course Coordinator 2: Fuhrmann,C</p> <p>Prerequisites: None</p> <p>Credits: 1</p> <p>Grading: Pass/Marginal Pass/Fail</p> <p>Associated Programs: Basic Biomedical Science</p> <p>Class Meeting Information:</p> <p>Contact course coordinator</p> <p>Additional notes:</p> <p>Required Textbooks:</p> <p>Recommended Textbooks:</p>

BBS 614 - Foundations in Biomedical Science

Class #: 4319

Course Description

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.

Course Coordinator: Lane,M

email: maryellen.lane@umassmed.edu

Phone: 6-4018

Location: S1-824

Course Coordinator 2: None

Prerequisites: Matriculation in the PhD Program

Credits: 6

Grading: Letter Grade

Associated Programs: BBS Division

Class Meeting Information:

9/2/2016-1/27/2017 | Monday-Friday | 9am-12pm

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 701 - Using Animals in Biomedical Research

Class #: 1003

Course Description

It is to the benefit of both science and animals to have a formal understanding of animal needs and animal use in the research environment. The goal of this course is to provide a sufficient appreciation of laboratory animal biology, care, and use to engender better science and enhanced animal welfare. Topics include controversies surrounding animal use in research; choosing an animal model; the Institutional Animal Care and Use Committee; normative biology of rodent and non-rodent laboratory animals; diseases and other stressors and their effects on research; humane experimental endpoints and pain and its alleviation. There are also two laboratory sessions.

Course Coordinator: Silverman,J

email: Jerald.Silverman@Umassmed.edu

Phone: 6-3098

Location: SA-142

Course Coordinator 2: None

Prerequisites: None

Credits: 2

Grading: Pass/Marginal Pass/Fail

Associated Programs: GSBS

Class Meeting Information:

9/13/2016-12/13/2016 | Tuesdays | 3pm-5pm (labs may run later) | Animal Medicine A-level Conference Room

Additional notes:

Required Textbooks:

Recommended Textbooks:

Course Description

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.

Course Coordinator: Zitzewitz, J**email:** Jill.Zitzewitz@umassmed.edu**Phone:** 6-6739; 6-6758**Location:** NRB 919, Lab 970 B**Course Coordinator 2:** None**Prerequisites:** Strongly recommended, but not required: undergraduate Physical Chemistry**Credits:** 3**Grading:** Letter**Associated Programs:** Biochemistry & Molecular Pharmacology**Class Meeting Information:**

9/6/2016 - 12/20/2016 | Tuesdays & Thursdays |
11am-12:30pm | LRB-816

Additional notes:**Required Textbooks:**

Recommended Textbooks: Kuriyan, J., Konforti, B., & Wemmer, D. (n.d.). The molecules of life: Physical and chemical principles. 978-8153-4188-8.

BBS 736 - Human Genetics

Class #: 2191

Course Description

This course focuses on the human genetic knowledge and concepts which underlies almost every aspect of human health, both in normal function and disease. We will cover chromosomal, single gene, and multifactorial disorders, including quantitative analysis of Mendelian and non-Mendelian inheritance, human cancer genetics, and recent developments in human genome research. Problem solving will involve clinical, molecular and statistical data. We hope to provide a framework for understanding a fast growing and highly technical field, and an appreciation of how current research impacts many aspects of medicine as well as biomedical research. This course follows the Medical School calendar - check with Course Coordinator regarding class schedule.

Course Coordinator: Landers,J

email: john.landiers@umassmed.edu

Phone: 6-6221

Location: AS6-1053

Course Coordinator 2: None

Prerequisites: GSBS Block I; prior coursework in biology or biochemistry; or permission of the Course Coordinator

Credits: 3

Grading: Letter

Associated Programs: Cell Biology

Class Meeting Information:

8/5/2016-9/19/2016 | Meeting days and times vary.

Additional notes:

Required Textbooks: Nussbaum, R. L., McInnes, R. R., & Willard, H. F. (n.d.). Thompson & Thompson genetics in medicine. 978-1-4377-0696-3.

Recommended Textbooks:

BBS 748 - Introduction to cellular metabolism and disease

Class #: 2196

Course Description

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 – biochemistry, biophysics, genetics, molecular biology and cell biology.

Course Coordinator: Lewis,B

email: brian.lewis@umassmed.edu

Phone: 64325

Location: LRB 521

Course Coordinator 2: Amy Walker

Prerequisites: None

Credits: 2

Grading: Letter Grade

Associated Programs: PGSP IGP TSP

Class Meeting Information:

7/18/2016-8/5/2016 | Mon thru Friday 9am - 11am

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 782 - Bases of Brain Disease

Class #: 4320

Course Description

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.

Course Coordinator: Xu,Z

email: Zuoshang.Xu@Umassmed.edu

Phone: 6-3309

Location: LRB 817

Course Coordinator 2: Punzo,C

Prerequisites: GSBS Core Courses or permission from Course Coordinator

Credits: 2

Grading: Letter

Associated Programs: Neuroscience

Class Meeting Information:

9/1/2016-1/19/2016 | Thursday | 2:30pm-4pm

Additional notes: Claudio Punzo is co-coordinator for this course

Required Textbooks:

Recommended Textbooks:

BBS 783 - Genetic Basis of Behavior

Class #: 4321

Course Description

The genetics of behavior represents a focal point in contemporary neuroscience research. Genetic screens have been conducted to identify mutants affecting behavior in model systems, and this has converged with advances in understanding the neurobiological basis of behavior. This course will synthesize the state of the art regarding genetic basis of behavior in model organisms (worms, flies and mice), including discussion of learning and memory, circadian rhythms, and social behaviors. Lectures will include description of systems for identifying mutations, genes that have been identified, and how identification of these genes contributes to understanding the underlying neural mechanisms of behavior. The course format will include faculty lectures, student presentations and discussion of assigned readings.

Course Coordinator: Xiang, Y

email: Yang.Xiang@umassmed.edu

Phone: 6-6816

Location: LRB 725

Course Coordinator 2: None

Prerequisites: GSBS Core Course Blocks I and II or permission from Course Coordinator

Credits: 2

Grading: Letter

Associated Programs: Neuroscience

Class Meeting Information:

9/1/2016-1/27/2017 | Tuesday | 2pm-4pm | LRB-716

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 801 - RNA Biology Journal Club**Class #: 1005****Course Description**

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.

Course Coordinator: Ambros,V**email:** victor.ambros@umassmed.edu**Phone:** 6-6380**Location:** BT2-306**Course Coordinator 2:** None**Prerequisites:** Permission from Course Coordinator**Credits:** 1**Grading:** Pass/Marginal Pass/Fail**Associated Programs:** Interdisciplinary Graduate Program**Class Meeting Information:**

9/20/2016-1/10/2017 | Tuesday | 10am-12pm | BT2-306

Additional notes:**Required Textbooks:****Recommended Textbooks:****BBS 810 - Graduate Student Seminar Series****Class #: GROUP REGISTERED****Course Description**

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 students' own research. All BMP students will be registered in this course to satisfy the annual presentation requirement.

Course Coordinator: Kobertz,W**email:** William.Kobertz@Umassmed.edu**Phone:** 6-8861**Location:** LRB 804**Course Coordinator 2:** None**Prerequisites:** None**Credits:** 1**Grading:** Pass/Marginal Pass/Fail**Associated Programs:** Biochemistry & Molecular Pharmacology**Class Meeting Information:**

Contact course coordinator

Additional notes:**Required Textbooks:****Recommended Textbooks:**

BBS 821 - Molecular and Cellular Immunology

Class #: 1833

Course Description

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.

Course Coordinator: Kang,J

email: Joonsoo.Kang@umassmed.edu

Phone: 6-2759

Location: AS9-1047

Course Coordinator 2: None

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

Credits: 3

Grading: Letter

Associated Programs: Immunology & Virology
Molecular Genetics & Microbiology

Class Meeting Information:

9/13/2016-1/26/2017 | Tuesday & Thursday | 10am-11:45am | AS9-1044

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 822 - Advanced Animal Virology

Class #: 1746

Course Description

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 3 credits with proposal and presentation or for 2 credits without proposal.

Course Coordinator: Brass, Abraham

email: abraham.brass@umassmed.edu

Phone: 6-4059

Location: AS8-2055

Course Coordinator 2: None

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

Credits: 3

Grading: Letter

Associated Programs: Immunology & Virology
Molecular Genetics & Microbiology

Class Meeting Information:

9/6/2016-1/26/2017 | Tuesday & Thursday | 2pm-3:30pm | AS8-2055

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 823 - Advanced Bacterial Pathogenesis

Class #: 1748

Course Description

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. By doing so, it will aid students in preparation for qualifying exams. The course meets once/week for 2-1/2 to 3 hours. Depending on class size and on a rotating basis, groups of two or three students lead discussions of selected topics. Presenting students are required to prepare written reviews to focus the discussion. The bulk of class time is devoted to open discussion and critical analysis of the literature under consideration, and constructive criticism of student reviews. Each student develops and presents a research proposal on one of the topics discussed. Students taking the course for 2 credits will not be required to prepare the research proposal. and research plans. Grading is based on written reviews, quality of presentations, and class participation (all students) and on the quality of the research outline (3 credit).

Course Coordinator: Goguen,J

email: Jon.Goguen@UMassmed.edu

Phone: 6-2490

Location: S6-210

Course Coordinator 2: None

Prerequisites: GSBS Core Courses, BBS755, Infection and Immune Response, or permission from Course Coordinator

Credits: Variable 2 to 3

Grading: Letter

Associated Programs: Immunology & Virology
Molecular Genetics & Microbiology

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 833 - Immunology & Virology Graduate Student Seminars

Class #: 1011

Course Description

Advanced IVP graduate students present seminars on their thesis research.

Course Coordinator: Huseby, E

email: eric.huseby@umassmed.edu

Phone: 6-2180

Location: S3-125

Course Coordinator 2: None

Prerequisites: BBS755, Infection and Immune Response

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: Immunology & Virology

Class Meeting Information:

9/13/2016-1/24/2016 | Thursday | 4pm-5pm | AS7-2072

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 838 - Communicating Neuroscience: Learning by Doing

Class #: 1788

Course Description

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 apply those critiques, and see their skills improve throughout the course. Substitutes for Neuroscience Journal Club in meeting Neuroscience Program requirements.

Course Coordinator: Weaver,D

email: David.Weaver@UMassmed.edu

Phone: 6-2495

Location: LRB 723

Course Coordinator 2: None

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 Programs: Neuroscience

Class Meeting Information:

Early September 2016 to late January 2017 |
Wednesday | 12pm-2pm | LRB-716

Additional notes:

Required Textbooks:

Recommended Textbooks:

CANCELLED

BBS 841 - Tutorial in Biochemistry

Class #: 1010

Course Description

Individual instruction on selected topics is arranged by student and instructor

Course Coordinator: Kobertz,W

email: William.Kobertz@Umassmed.edu

Phone: 6-8861

Location: LRB 804

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: Biochemistry & Molecular Pharmacology

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 848 - Tutorial in Neuroscience

Class #: 1009

Course Description

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 a faculty member. 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 (D. Weaver). Tutorials are arranged with individual faculty members. Students may re-enroll for multiple tutorials.

Course Coordinator: Weaver,D

email: David.Weaver@UMassmed.edu

Phone: 6-2495

Location: LRB 723

Course Coordinator 2: None

Prerequisites: Permission from Neuroscience Program Director

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: Neuroscience

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 850 - Laboratory Rotation

Class #: See class number list

Course Description

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.

Course Coordinator: GSBS Full Faculty

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: 2-5

Grading: Pass/Marginal Pass/Fail

Associated Programs: Basic Biomedical Science

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 860 - BBS Qualifying Exam**Class #: GROUP REGISTERED****Course Description**

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.

Course Coordinator: Lane,M**email:** maryellen.lane@umassmed.edu**Phone:** 6-4018**Location:** S1-824**Course Coordinator 2:** None**Prerequisites:** None**Credits:** 1**Grading:** Pass/Marginal Pass/Fail**Associated Programs:** Basic Biomedical Science**Class Meeting Information:****Additional notes:****Required Textbooks:****Recommended Textbooks:****BBS 865 - BBS TRAC Meeting****Class #: GROUP REGISTERED****Course Description**

All Graduate Students are required to have at least one 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.

Course Coordinator: Lane,M**email:** maryellen.lane@umassmed.edu**Phone:** 6-4018**Location:** S10824**Course Coordinator 2:** None**Prerequisites:** None**Credits:** 1**Grading:** Pass/Marginal Pass/Fail**Associated Programs:** Basic Biomedical Science**Class Meeting Information:****Additional notes:****Required Textbooks:****Recommended Textbooks:**

BBS 870 - Pre-Qualifying Research

Class #: See class number list

Course Description

This course is for students who have selected a Program and Thesis Advisor but who have not yet passed their Qualifying Examination.

Course Coordinator: Student's Thesis Advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: 9

Grading: Pass/Marginal Pass/Fail

Associated Programs: Basic Biomedical Science

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 900 - Thesis Research

Class #: AUTO REGISTERED

Course Description

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

Course Coordinator: Student's Thesis Advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: 12

Grading: Pass/Marginal Pass/Fail

Associated Programs: Basic Biomedical Science

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

BBS 990 - Graduate Research

Class #: AUTO REGISTERED

Course Description

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.

Course Coordinator: Student's Thesis Advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: 0

Grading: Pass/Marginal Pass/Fail

Associated Programs: Basic Biomedical Science

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

Clinical & Translational Science Courses

CTS 550 - Research Assistantship	Class #: See class number list
<p>Course Description 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.</p>	<p>Course Coordinator: Student's advisor email: N/A Phone: N/A Location: N/A</p> <p>Course Coordinator 2: None</p> <p>Prerequisites:</p> <p>Credits: 4</p> <p>Grading: Pass/Marginal Pass/Fail</p> <p>Associated Programs: Pathway to Graduate Study CPHR</p> <p>Class Meeting Information:</p> <p>Additional notes:</p> <p>Required Textbooks:</p> <p>Recommended Textbooks:</p>

CTS 602A - Advanced Epidemiology & Research Methods	Class #: 1853
<p>Course Description 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.</p>	<p>Course Coordinator: Jesdale,W email: william.jesdale@umassmed.edu Phone: (401) 480-5728 Location: AS7.2068</p> <p>Course Coordinator 2: None</p> <p>Prerequisites: CTS605A or equivalent or permission from Course Coordinator</p> <p>Credits: 3</p> <p>Grading: Letter</p> <p>Associated Programs: Clinical & Population Health Research</p> <p>Class Meeting Information: 9/7/2016-12/14/2016 Wednesday 9am-12pm</p> <p>Additional notes:</p> <p>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.</p> <p>Recommended Textbooks:</p>

Course Description

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.

Course Coordinator: Person,S

email: Sharina.Person@umassmed.edu

Phone: 6-4028

Location: AC7-2070

Course Coordinator 2: None

Prerequisites: CTS605A, Introduction to Statistics or permission from Course Coordinator

Credits: 4

Grading: Letter

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

9/6/2016-12/16/2016 | Tuesday & Thursday 10:30am-12pm | Wednesday 3pm-4:30pm (lab)

Additional notes:

Required Textbooks: Kleinbaum, D. G., & Kleinbaum, D. G. (2008). Applied regression analysis and other multivariable methods. Australia: Brooks/Cole. 978-0-495-38496-0.

Kleinbaum, D. G., Klein, M., & Pryor, E. R. (2010). Logistic regression: A self-learning text. New York: Springer. 978-1-4419-1741-6.

Recommended Textbooks: Acock, A. C. (2010). A gentle introduction to Stata. College Station, TX: StataCorp LP. 978-1-59718-075-7.

CTS 605A - Introduction to Clinical Epidemiology & Biostatistics

Class #: 2192

Course Description

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 2 writing assignments (write-up of lab exercise and in-class student presentation). This will be a full semester course with a total of 30 contact hours.

Course Coordinator: Chrysanthopoulou, S
email: Stavroula.Chrysanthopoulou@umassmed.edu
Phone: 774-455-3616
Location: AS7-1076

Course Coordinator 2: None

Prerequisites: None

Credits: 3

Grading: Letter

Associated Programs: Master's in Clinical Investigation

Class Meeting Information:

7/5/2016-7/28/2016 | Tue & Thu 9am-3pm

Additional notes:

Required Textbooks: Gordis, L. (2009). Epidemiology. Philadelphia: Elsevier/Saunders. 978-1416040026.

D'Agostino, R. B., Sullivan, L. M., & Beiser, A. S. (2006). Introductory applied biostatistics. Belmont: Duxbury Thomson Brooks/Cole. 978-0534423995.

Recommended Textbooks: Acock, A. C. (2010). A gentle introduction to Stata. College Station, TX: StataCorp LP. 978-1-59718-075-7.

CTS 611 - Scientific Writing

Class #: 1849

Course Description

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.

Course Coordinator: Goldberg, R
email: robert.goldberg@umassmed.edu
Phone: 6-3991
Location: BT4-314

Course Coordinator 2: None

Prerequisites: None

Credits: 3

Grading: Letter

Associated Programs: MS in Clinical Investigation

Class Meeting Information:

9/6/2016-12/16/2016 | Thursday |

3:30-4:30p.m. | AS8-2069

Required Textbooks:

Recommended Textbooks:

CTS 701 - Systematic Review

Class #: 1846

Course Description

The purpose of this class is to learn how to conduct a systematic review including developing a question of appropriate scope and clinical relevance, development of abstraction tool, selection of articles, and drafting of all sections of the review including tables and figures. The end product will be a journal style and length systematic review in the topic area of the students' substantive interest area that is 75% of the way to being ready for submission to a peer-reviewed journal.

Course Coordinator: Ulbricht,C

email: christine.ulbricht@umassmed.edu

Phone: 774-455-3524

Location: AS7-1078

Course Coordinator 2: None

Prerequisites: None

Credits: 2

Grading: Letter Grade

Associated Programs: Clinical & Population Health Research Master's in Clinical Investigation

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 702 - Ethics for Clinical Research

Class #: 1850

Course Description

This course is designed to prepare students with basic knowledge of ethics and understanding and addressing problems in the ethical conduct of research and understanding and addressing scientific misconduct, including fraud, misrepresentation, conflict of interest. The course also addresses authorship guidelines, IRB regulations and UMASS Medical School regulations. Students will also focus on how to evaluate ethical issues in research design and conduct, evaluating treatment risk, ethics of recruitment, dilemmas of informed consent, potential scientific contribution and issues for special populations and conducting research internationally.

Course Coordinator: Dube,C

email: Catherine.Dube@umassmed.edu

Phone: 774-455-3746

Location: AS7-2061

Course Coordinator 2: None

Prerequisites: None

Credits: 2

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

9/8/2016-12/8/2016 | Thursday | 1pm-3pm | AS7-2072

Additional notes: Confirm meeting location as room assignment many change

Required Textbooks: Resnik, D. B. (1998). The ethics of science: An introduction. London: Routledge. 0-203-97906-0 (Free Online)

Recommended Textbooks:

CTS 712 - Advanced Topics in Biostatistics

Class #: 1860

Course Description

This course will cover an advanced topic in Biostatistics (for example, Simulation methods in Biomedical Research, Graphical Information Systems and Spatial statistics). The purpose of the course is to provide students with emersion in one particular area of biostatistics, provding the theoretical background necessary and the practical "hands-on" data analyze experience.

Course Coordinator: Chrysanthopoulou, S

email: Stavroula.Chrysanthopoulou@umassmed.edu

Phone: 774-455-3616

Location: AS7-1076

Course Coordinator 2: None

Prerequisites: CTS603A & CTS603B or permission from Course Coordinator.

Credits: 3

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

9/6/2016-12/16/2016 | Wednesdays | 9am-12pm | AS8-2069

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 729 - Social Epidemiology

Class #: 4312

Course Description

We will cover the main societal causes implicated in affecting the health of human populations, including hierarchy, racism, gender hierarchy, heteronormativity, and ableism. We will focus on methodological approaches to measuring and interpreting these forces and their effects, on both minority and dominant populations.

Course Coordinator: Jesdale,W

email: william.jesdale@umassmed.edu

Phone: 67822

Location: ASC7 2068

Course Coordinator 2: None

Prerequisites: CTS 605A or permission of the instructor

Credits: 2

Grading: Letter Grade

Associated Programs: Clinical & Population Health Research MSCI

Class Meeting Information:

7/5/2016-8/31/2016 | Wednesday | 9am-12pm

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 731 - Behavioral Determinants

Class #: 4339

Course Description

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

Course Coordinator: Rosal,M

email: milagros.rosal@umassmed.edu

Phone: 6-3173

Location: S7-755

Course Coordinator 2: None

Prerequisites: None

Credits: 2

Grading: Letter Grade

Associated Programs: CPHR MSCI

Class Meeting Information:

9/6/2016-12/16/2016 | Monday | 1pm-3pm

Additional notes:

Required Textbooks:

Recommended Textbooks:

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

Class #: 1857

Course Description

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

Course Coordinator: Hogan,T

email: timothy.hogan@umassmed.edu

Phone: 6-6063

Location: AS8.1063

Course Coordinator 2: Houston,T

Prerequisites: None

Credits: 2

Grading: Letter Grade

Associated Programs: Clinical & Population Health Research MS in Clinical Investigation

Class Meeting Information:

9/6/2016-12/13/2016 | Tuesday | 1pm-3pm | AS9-2069

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 799 - Independent Study

Class #: See class number list

Course Description

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 a regular 3-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.

Course Coordinator: Lapane,K

email: kate.lapane@umassmed.edu

Phone: 6-8965

Location: ASC7-2072

Course Coordinator 2: None

Prerequisites: Permission of Associate Dean for CPHR & Course Coordinator.

Credits: 3

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 802 - Journal Club

Class #: 1851

Course Description

This journal club provides a forum in which students will discuss current articles and be introduced to advanced 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.

Course Coordinator: Golderbg,R

email: robert.goldberg@umassmed.edu

Phone: 6-3991

Location: AS8-2017

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: MS in Clinical Investigation

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 850 - Research Assistantship

Class #: See class number list

Course Description

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.

Course Coordinator: Student's advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: 4

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 855 - Research Seminar

Class #: 1854

Course Description

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

Course Coordinator: Goldberg,R

email: robert.goldberg@umassmed.edu

Phone: 6-3991

Location: BT4-314

Course Coordinator 2: None

Prerequisites:

Credits: 0

Grading: Pass/Marginal Pass/Fail

Associated Programs: Master's in Clinical Investigation

Class Meeting Information:

Contact course coordinator

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 865 - CTS TRAC Meeting

Class #: 1858

Course Description

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.

Course Coordinator: Lapane, K

email: kate.lapane@umassmed.edu

Phone: 6-8965

Location: AS7.2071

Course Coordinator 2: Goldberg,R

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 870 - Pre-Thesis Research

Class #: See class number list

Course Description

This course is for students who have selected a Program and Thesis Advisor but who have not yet passed their Qualifying Examination.

Course Coordinator: Student's Thesis Advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: Variable 3 to 9

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 900 - Thesis Research

Class #: AUTO REGISTERED

Course Description

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

Course Coordinator: Student's Thesis Advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: Variable 7 to 12

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

CTS 990 - Graduate Research

Class #: AUTO REGISTERED

Course Description

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.

Course Coordinator: Student's Thesis Advisor

email: N/A

Phone: N/A

Location: N/A

Course Coordinator 2: None

Prerequisites: None

Credits: 0

Grading: Pass/Marginal Pass/Fail

Associated Programs: Clinical & Population Health Research

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

HSP 500 - Building Working Cells and Tissues

Class #: 2215

Course Description

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

Course Coordinator: Royer, W

email: william.royer@umassmed.edu

Phone: 6-6912

Location: LRB 921

Course Coordinator 2: None

Prerequisites: None

Credits: 5

Grading: Letter Grade

Associated Programs: HSP

Class Meeting Information:

8/5/2016-9/23/2016 | 9am-4pm | AMP II, iTLC

Additional notes:

Required Textbooks: Lippincott's Illustrated Reviews - Biochemistry. D.R. Ferrier.

Recommended Textbooks:

HSP 502A - Medical Physiology & Histology Part A

Class #: 2217

Course Description

The goals of the course are to provide: A study of basic human physiology, which is the biological study of the functions of living organisms and their parts; A study of the microscopic anatomy of the cellular organization and structure of individual tissues and organ systems.

Course Coordinator: Jonassen, J

email: julie.jonassen@umassmed.edu

Phone: 6-5808

Location: S4-117

Course Coordinator 2: None

Prerequisites: None

Credits: 5

Grading: Letter Grade

Associated Programs: HSP

Class Meeting Information:

9/27/2016-12/19/2016 | Monday - Friday | Times and locations vary

Additional notes:

Required Textbooks:

Recommended Textbooks:

Course Description

This course includes the following 3 elements:
Academic Coaching: Sessions with education specialist and student mentors (3 hours contact/wk – can be in small groups and 1:1 sessions based on students’ needs) to evaluate individual learning styles, adapt/develop study skills, test prep, exam review, error analysis, time management; Group study sessions: (2 hours/wk) – 1 hour student group discussion/preparation; 1 hour with course-specific faculty, alternating weekly; HSPP advisor meetings: (0.5 hours/wk) - individual (one per month) and group meeting (one per month) with HSPP advisors. Specific activity includes rewrite of application/personal statement.

Course Coordinator: Hines,D**email:** deborah-harmon.hines@umassmed.edu**Phone:** 6-2444**Location:** S3-104**Course Coordinator 2:** Knight,K**Prerequisites:****Credits:** 2**Grading:** Letter Grade**Associated Programs:** HSP**Class Meeting Information:**

Contact course coordinator

Additional notes:**Required Textbooks:****Recommended Textbooks:**

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

Class #: GROUP REGISTERED

Course Description

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.

Learning Objectives: Upon completion of this course, the MD-PhD students should be able to:

- Distinguish different approaches used to answer biomedical research questions (e.g. epidemiological, population-based, animal models, cellular and molecular mechanisms).
- Understand the basic elements of study design in epidemiological and population based studies.
- Understand the basic elements of study design in animal models
- Understand some of the basic elements underlying cellular and molecular mechanistic studies.
- Learn to design rigorous studies at different levels of complexity.
- Define medically relevant questions of individual interest, which will inform choice of summer research rotations and Thesis research.

Curricular Expectations

- Students will attend all scheduled sessions
- Students will have carefully read and analyzed pre-assigned material
- Students will actively participate in discussion of primary research papers
- Students will be a substantial contributor within the team to the design and presentation of an original research proposal at the end of each trimester

Course Coordinator: Corvera,S
email:

silvia.corvera@umassmed.edu

Phone: 6-6898

Location:

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: MD/PhD Program

Class Meeting Information:

8/8/2016-11/28/2016 | Monday |
3pm-5pm | ASC - varies

Additional notes:

Required Textbooks:

Recommended Textbooks:

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

Class #: See class number list

Course Description

MDP 740 B: Developing Solutions to Research Problems

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 for a minimum of one hour per week over the course of the semester (15 hours total). The focus and experimental methodologies of the investigators research will be explored in-depth through analysis of the primary literature and participation in individual and/or group discussion.

Learning Objectives:

Upon completion of this course, the MD-PhD students should be able to:

- Identify papers in the primary research literature that relate to specific questions of biomedical relevance, and explain the basis for their relevance.
- Assess the general biomedical research area, and the clinical and translational implications of the research activity of specific investigators at this institution.
- Articulate novel questions related to a specific area of active investigation that could be the basis of a viable thesis project.

Course Coordinator: Corvera,S

email: silvia.corvera@umassmed.edu

Phone: 6-6898

Location:

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: MD/PhD Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

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

**Class #: GROUP
REGISTERED**

Course Description

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.

Learning Objectives:

Upon completion of this course, the MD-PhD students should be able to:

- Propose feasible experimental strategies, including application of appropriate techniques, assessment of potential contingencies and pitfalls, and identification of alternative approaches, for investigation of novel research questions.
- When presented with two or more reports from the primary literature that reach conflicting conclusions about similar questions, evaluate the evidence and defend the merits of a particular argument. This includes an articulation of the major conclusions from each report, and an identification and evaluation of experiments that support the conclusions.
- Articulate the contribution of their personal research to knowledge in the broader area of interest.

Curricular Expectations:

The student will remain engaged in research during the clerkship enrollment which can be reflected in work toward their Capstone project, defending and editing their thesis dissertation, attending lab meetings, defenses, reviewing literature, attending research seminars and other UMass related scientific events.

It is expected that at the time of dissertation and defense, the student will complete the defense a minimum of three weeks prior to the date of return to the clerkships (CCE). If the completed dissertation and administrative forms are not submitted to GSBS by the return date, the scheduled clerkship will be cancelled until dissertation work is completed

Course Coordinator: Corvera,S
email:

silvia.corvera@umassmed.edu

Phone: 6-6898

Location:

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal
Pass/Fail

Associated Programs: MD/PhD
Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

MDP 741 - Introduction to Translational Medicine

**Class #: GROUP
REGISTERED**

Course Description

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.

Curricular Expectations: The students will engage in clinical experiences for a minimum 15 hours in the fall, spring and summer semesters each. The students can round with physicians on the ward services, attend an outpatient clinic, or participate in supervised freestanding clinics in the local area. They can also participate in a series of monthly, student organized and clinician led seminars*. Prior to returning to the clerkships, each student working with a designated clinical preceptor, will perform complete interviews, physical examinations, oral presentations, and write ups on hospitalized patients. Students will be evaluated by their faculty in these skills and a summary report will be generated at the end of the course.

Students will enter their preceptor hours into the e*Value system using an "on the fly" evaluation form that will include the date, time, term, preceptor and hours. This information will be provided by the student by the end of each enrollment term.

The guidelines for a preceptor are as follows:

- . They must be a faculty member at UMass either Full, Associate or Assistant Professor.
- . They cannot be a resident, fellow or visiting scholar.
- . The clinical sessions can take place at any of the hospital or affiliated hospital campuses and local free clinics as long as they are directly supervised by a UMass faculty member

Course Coordinator: Corvera,S
email:

silvia.corvera@umassmed.edu

Phone: 6-6898

Location:

Course Coordinator 2: None

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

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: MD/PhD
Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

MDP 742 - MD/PhD HIPAA & OSHA Certification

Class #: GROUP REGISTERED

Course Description

Certification module of HIPAA and OSHA that students enrolled in the PhD portion of the program and are required to maintain annually (within the first two weeks 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.

Course Coordinator: Michelson,A

email: anne.michelson@umassmed.edu

Phone: 6-4135

Location: S1-824

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: MD/PhD Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

MDP 744 - MD/PhD Learning Communities

Class #: GROUP REGISTERED

Course Description

Provides information about SoM 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 SoM and GSBS years.

Course Coordinator: Szabo,G

email: Gyongyi.Szabo@umassmed.edu

Phone: 6-5275

Location: LRB-208

Course Coordinator 2: None

Prerequisites: None

Credits: 0

Grading: Not graded

Associated Programs: MD/PhD Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

MDP 800 - MD/PhD Seminar

Class #: GROUP REGISTERED

Course Description

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

Course Coordinator: Michelson,A

email: anne.michelson@umassmed.edu

Phone: 6-4135

Location: S1-824

Course Coordinator 2: None

Prerequisites: None

Credits: 1

Grading: Pass/Marginal Pass/Fail

Associated Programs: MD/PhD Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

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

Class #: GROUP REGISTERED

Course Description

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.

Course Coordinator: Michelson,A

email: anne.michelson@umassmed.edu

Phone: 6-4135

Location: S1-824

Course Coordinator 2: None

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

Credits: 0

Grading: Pass/Marginal Pass/Fail

Associated Programs: MD/PhD Program

Class Meeting Information:

Additional notes:

Required Textbooks:

Recommended Textbooks:

CLASS NUMBER LIST

Basic & Biomedical Science Class Numbers

Non-Research Course Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1789	BBS	601	1	Professionalism & Res. Conduct	Carruthers	Anthony
4319	BBS	614	1	Foundations in Biomedical Scie	Lane	Mary
1002	BBS	630	1	BBS Transfer Credits	Lane	Mary
1003	BBS	701	1	Using Animals in Biomed Res	Silverman	Jerald
1004	BBS	716	1	Molecular Biophysics	Zitzewitz	Jill
2191	BBS	736	ERL	Human Genetics	Landers	John
2196	BBS	748	ERL	Intro.to Cellular Metab. & Dis	Lewis	Brian
4320	BBS	782	1	Bases of Brain Disease	Xu	Zuoshang
CANCELLED	BBS	783	1	Genetic Basis of Behavior	Xiang	Yang
1005	BBS	801	1	RNA Biology Journal Club	Ambros	Victor
1006	BBS	810	1	Grad. Student Seminar Series	Kobertz	William
1833	BBS	821	1	Molecul & Cellular Immunology	Kang	Joonsoo
1746	BBS	822	1	Advanced Animal Virology	Brass	Abraham
1748	BBS	823	1	Adv Bacterial Pathogenesis	Goguen	Jon
1011	BBS	833	1	Immunology & Virology Seminar	Huseby	Eric
CANCELLED	BBS	838	1	Communicating Neuroscience	Weaver	David
1010	BBS	841	1	Tutorial in Biochemistry	Kobertz	William
1009	BBS	848	1	Tutorial in Neuroscience	Weaver	David
1731	BBS	860	1	BBS Qualifying Exam	Lane	Mary
1756	BBS	865	1	BBS TRAC Meeting	Lane	Mary

Research Course Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4303	BBS	550	ERL	Laboratory Rotation (PGSP)	Brewster	Robert
4306	BBS	550	L1	Laboratory Rotation (PGSP)	Brewster	Robert
4309	BBS	550	L2	Laboratory Rotation (PGSP)	Brewster	Robert
4304	BBS	550	ERL	Laboratory Rotation (PGSP)	Cavacini	Lisa
4307	BBS	550	L1	Laboratory Rotation (PGSP)	Cavacini	Lisa
4310	BBS	550	L2	Laboratory Rotation (PGSP)	Cavacini	Lisa
4293	BBS	550	ERL	Laboratory Rotation (PGSP)	Green	Michael
4299	BBS	550	L1	Laboratory Rotation (PGSP)	Green	Michael
4300	BBS	550	L2	Laboratory Rotation (PGSP)	Green	Michael
4305	BBS	550	ERL	Laboratory Rotation (PGSP)	Kim	Dohoon
4308	BBS	550	L1	Laboratory Rotation (PGSP)	Kim	Dohoon
4311	BBS	550	L2	Laboratory Rotation (PGSP)	Kim	Dohoon
2206	BBS	550	ERL	Laboratory Rotation (PGSP)	Lemos	Jose

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4291	BBS	550	ERL	Laboratory Rotation (PGSP)	McCormick	Beth
4295	BBS	550	L1	Laboratory Rotation (PGSP)	McCormick	Beth
4296	BBS	550	L2	Laboratory Rotation (PGSP)	McCormick	Beth
4292	BBS	550	ERL	Laboratory Rotation (PGSP)	Morrison	Trudy
4297	BBS	550	L1	Laboratory Rotation (PGSP)	Morrison	Trudy
4298	BBS	550	L2	Laboratory Rotation (PGSP)	Morrison	Trudy
4331	BBS	550	ERL	Laboratory Rotation (PGSP)	REBOLDI	Andrea
4332	BBS	550	L1	Laboratory Rotation (PGSP)	REBOLDI	Andrea
4333	BBS	550	L2	Laboratory Rotation (PGSP)	REBOLDI	Andrea
4294	BBS	550	ERL	Laboratory Rotation (PGSP)	Zhang	Hong
4301	BBS	550	L1	Laboratory Rotation (PGSP)	Zhang	Hong
4302	BBS	550	L2	Laboratory Rotation (PGSP)	Zhang	Hong
2152	BBS	850	ERL	Laboratory Rotation	Alkema	Mark
2221	BBS	850	L1	Laboratory Rotation	Alkema	Mark
2481	BBS	850	L2	Laboratory Rotation	Alkema	Mark
2125	BBS	850	ERL	Laboratory Rotation	Ambros	Victor
2222	BBS	850	L1	Laboratory Rotation	Ambros	Victor
2482	BBS	850	L2	Laboratory Rotation	Ambros	Victor
2212	BBS	850	ERL	Laboratory Rotation	Aroian	Raffi
2474	BBS	850	L1	Laboratory Rotation	Aroian	Raffi
2734	BBS	850	L2	Laboratory Rotation	Aroian	Raffi
2103	BBS	850	ERL	Laboratory Rotation	Baehrecke	Eric
2226	BBS	850	L1	Laboratory Rotation	Baehrecke	Eric
2486	BBS	850	L2	Laboratory Rotation	Baehrecke	Eric
2161	BBS	850	ERL	Laboratory Rotation	Behar	Samuel
2448	BBS	850	L1	Laboratory Rotation	Behar	Samuel
2708	BBS	850	L2	Laboratory Rotation	Behar	Samuel
2169	BBS	850	ERL	Laboratory Rotation	Benanti	Jennifer
2422	BBS	850	L1	Laboratory Rotation	Benanti	Jennifer
2683	BBS	850	L2	Laboratory Rotation	Benanti	Jennifer
2104	BBS	850	ERL	Laboratory Rotation	Berg	Leslie
2228	BBS	850	L1	Laboratory Rotation	Berg	Leslie
2488	BBS	850	L2	Laboratory Rotation	Berg	Leslie
2230	BBS	850	L1	Laboratory Rotation	Bolon	Daniel
2490	BBS	850	L2	Laboratory Rotation	Bolon	Daniel
2170	BBS	850	ERL	Laboratory Rotation	Bosco	Daryl
2392	BBS	850	L1	Laboratory Rotation	Bosco	Daryl
2653	BBS	850	L2	Laboratory Rotation	Bosco	Daryl
4249	BBS	850	ERL	Laboratory Rotation	Brewster	Robert
4252	BBS	850	L1	Laboratory Rotation	Brewster	Robert
4255	BBS	850	L2	Laboratory Rotation	Brewster	Robert
2239	BBS	850	L1	Laboratory Rotation	CHAN	Francis Ka Ming

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2499	BBS	850	L2	Laboratory Rotation	CHAN	Francis Ka Ming
2106	BBS	850	ERL	Laboratory Rotation	Czech	Michael
2244	BBS	850	L1	Laboratory Rotation	Czech	Michael
2504	BBS	850	L2	Laboratory Rotation	Czech	Michael
2246	BBS	850	L1	Laboratory Rotation	Dekker	Job
2506	BBS	850	L2	Laboratory Rotation	Dekker	Job
2251	BBS	850	L1	Laboratory Rotation	EMERY	Patrick
2511	BBS	850	L2	Laboratory Rotation	EMERY	Patrick
2153	BBS	850	ERL	Laboratory Rotation	Finberg	Robert
2253	BBS	850	L1	Laboratory Rotation	Finberg	Robert
2513	BBS	850	L2	Laboratory Rotation	Finberg	Robert
2257	BBS	850	L1	Laboratory Rotation	Francis	Michael
2517	BBS	850	L2	Laboratory Rotation	Francis	Michael
2142	BBS	850	ERL	Laboratory Rotation	FREEDMAN	Jane
2438	BBS	850	L1	Laboratory Rotation	FREEDMAN	Jane
2697	BBS	850	L2	Laboratory Rotation	FREEDMAN	Jane
2094	BBS	850	ERL	Laboratory Rotation	Gao	Fen-Biao
2414	BBS	850	L1	Laboratory Rotation	Gao	Fen-Biao
2675	BBS	850	L2	Laboratory Rotation	Gao	Fen-Biao
2167	BBS	850	ERL	Laboratory Rotation	Garber	Manuel
2452	BBS	850	L1	Laboratory Rotation	Garber	Manuel
2712	BBS	850	L2	Laboratory Rotation	Garber	Manuel
2267	BBS	850	L1	Laboratory Rotation	Gottlinger	Heinrich
2527	BBS	850	L2	Laboratory Rotation	Gottlinger	Heinrich
2076	BBS	850	ERL	Laboratory Rotation	Green	Michael
2270	BBS	850	L1	Laboratory Rotation	Green	Michael
2530	BBS	850	L2	Laboratory Rotation	Green	Michael
2107	BBS	850	ERL	Laboratory Rotation	Guertin	David
2404	BBS	850	L1	Laboratory Rotation	Guertin	David
2665	BBS	850	L2	Laboratory Rotation	Guertin	David
2137	BBS	850	ERL	Laboratory Rotation	Han	Gang
2428	BBS	850	L1	Laboratory Rotation	Han	Gang
2686	BBS	850	L2	Laboratory Rotation	Han	Gang
2183	BBS	850	ERL	Laboratory Rotation	Huh	Jun
2463	BBS	850	L1	Laboratory Rotation	Huh	Jun
2723	BBS	850	L2	Laboratory Rotation	Huh	Jun
2172	BBS	850	ERL	Laboratory Rotation	Imbalzano	Anthony
2277	BBS	850	L1	Laboratory Rotation	Imbalzano	Anthony
2537	BBS	850	L2	Laboratory Rotation	Imbalzano	Anthony
2280	BBS	850	L1	Laboratory Rotation	Jacobson	Allan
2540	BBS	850	L2	Laboratory Rotation	Jacobson	Allan
2283	BBS	850	L1	Laboratory Rotation	Kang	Joonsoo

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2543	BBS	850	L2	Laboratory Rotation	Kang	Joonsoo
2163	BBS	850	ERL	Laboratory Rotation	Kelch	Brian
2450	BBS	850	L1	Laboratory Rotation	Kelch	Brian
2710	BBS	850	L2	Laboratory Rotation	Kelch	Brian
2165	BBS	850	ERL	Laboratory Rotation	Kelliher	Michelle
2285	BBS	850	L1	Laboratory Rotation	Kelliher	Michelle
2545	BBS	850	L2	Laboratory Rotation	Kelliher	Michelle
2138	BBS	850	ERL	Laboratory Rotation	Khanna	Hemant
2431	BBS	850	L1	Laboratory Rotation	Khanna	Hemant
2690	BBS	850	L2	Laboratory Rotation	Khanna	Hemant
2180	BBS	850	ERL	Laboratory Rotation	Khvorova	Anastasia
2461	BBS	850	L1	Laboratory Rotation	Khvorova	Anastasia
2721	BBS	850	L2	Laboratory Rotation	Khvorova	Anastasia
2391	BBS	850	L1	Laboratory Rotation	Kim	Jason
2652	BBS	850	L2	Laboratory Rotation	Kim	Jason
2290	BBS	850	L1	Laboratory Rotation	Kornfeld	Hardy
2550	BBS	850	L2	Laboratory Rotation	Kornfeld	Hardy
2130	BBS	850	ERL	Laboratory Rotation	Kowalik	Timothy
2291	BBS	850	L1	Laboratory Rotation	Kowalik	Timothy
2551	BBS	850	L2	Laboratory Rotation	Kowalik	Timothy
2086	BBS	850	ERL	Laboratory Rotation	Lambright	David
2293	BBS	850	L1	Laboratory Rotation	Lambright	David
2553	BBS	850	L2	Laboratory Rotation	Lambright	David
2296	BBS	850	L1	Laboratory Rotation	Lawrence	Jeanne
2556	BBS	850	L2	Laboratory Rotation	Lawrence	Jeanne
2297	BBS	850	L1	Laboratory Rotation	Lawson	Nathan
2557	BBS	850	L2	Laboratory Rotation	Lawson	Nathan
2182	BBS	850	ERL	Laboratory Rotation	Lee	Michael
2462	BBS	850	L1	Laboratory Rotation	Lee	Michael
2722	BBS	850	L2	Laboratory Rotation	Lee	Michael
2301	BBS	850	L1	Laboratory Rotation	Levitz	Stuart
2561	BBS	850	L2	Laboratory Rotation	Levitz	Stuart
2150	BBS	850	ERL	Laboratory Rotation	Luban	Jeremy
2446	BBS	850	L1	Laboratory Rotation	Luban	Jeremy
2706	BBS	850	L2	Laboratory Rotation	Luban	Jeremy
2154	BBS	850	ERL	Laboratory Rotation	Mandrekar	Pranoti
2407	BBS	850	L1	Laboratory Rotation	Mandrekar	Pranoti
2668	BBS	850	L2	Laboratory Rotation	Mandrekar	Pranoti
2313	BBS	850	L1	Laboratory Rotation	Massi	Francesca
2573	BBS	850	L2	Laboratory Rotation	Massi	Francesca
2113	BBS	850	ERL	Laboratory Rotation	McCormick	Beth
2396	BBS	850	L1	Laboratory Rotation	McCormick	Beth

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2657	BBS	850	L2	Laboratory Rotation	McCormick	Beth
2114	BBS	850	ERL	Laboratory Rotation	Mello	Craig
2317	BBS	850	L1	Laboratory Rotation	Mello	Craig
2577	BBS	850	L2	Laboratory Rotation	Mello	Craig
2166	BBS	850	ERL	Laboratory Rotation	Mercurio	Arthur
2318	BBS	850	L1	Laboratory Rotation	Mercurio	Arthur
2578	BBS	850	L2	Laboratory Rotation	Mercurio	Arthur
2319	BBS	850	L1	Laboratory Rotation	Miller	Stephen
2579	BBS	850	L2	Laboratory Rotation	Miller	Stephen
4359	BBS	850	ERL	Laboratory Rotation	Mitchell	Amir Zadok
4357	BBS	850	L1	Laboratory Rotation	Mitchell	Amir Zadok
4358	BBS	850	L2	Laboratory Rotation	Mitchell	Amir Zadok
2439	BBS	850	L1	Laboratory Rotation	Muller	Christian
2698	BBS	850	L2	Laboratory Rotation	Muller	Christian
2322	BBS	850	L1	Laboratory Rotation	Munson	Maryann
2582	BBS	850	L2	Laboratory Rotation	Munson	Maryann
2331	BBS	850	L1	Laboratory Rotation	Pryciak	Peter
2591	BBS	850	L2	Laboratory Rotation	Pryciak	Peter
2207	BBS	850	ERL	Laboratory Rotation	Pukkila-Worley	Read
2467	BBS	850	L1	Laboratory Rotation	Pukkila-Worley	Read
2728	BBS	850	L2	Laboratory Rotation	Pukkila-Worley	Read
4330	BBS	850	ERL	Laboratory Rotation	REBOLDI	Andrea
4328	BBS	850	L1	Laboratory Rotation	REBOLDI	Andrea
4329	BBS	850	L1	Laboratory Rotation	REBOLDI	Andrea
2195	BBS	850	ERL	Laboratory Rotation	Rhind	Nicholas
2336	BBS	850	L1	Laboratory Rotation	Rhind	Nicholas
2596	BBS	850	L2	Laboratory Rotation	Rhind	Nicholas
2339	BBS	850	L1	Laboratory Rotation	Rivera Perez	Jaime
2599	BBS	850	L2	Laboratory Rotation	Rivera Perez	Jaime
2117	BBS	850	ERL	Laboratory Rotation	Ryder	Sean
2346	BBS	850	L1	Laboratory Rotation	Ryder	Sean
2606	BBS	850	L2	Laboratory Rotation	Ryder	Sean
2075	BBS	850	ERL	Laboratory Rotation	Schiffer	Celia
2349	BBS	850	L1	Laboratory Rotation	Schiffer	Celia
2609	BBS	850	L2	Laboratory Rotation	Schiffer	Celia
2208	BBS	850	ERL	Laboratory Rotation	Sontheimer	Erik
2468	BBS	850	L1	Laboratory Rotation	Sontheimer	Erik
2729	BBS	850	L2	Laboratory Rotation	Sontheimer	Erik
2371	BBS	850	L1	Laboratory Rotation	Theurkauf	William
2631	BBS	850	L2	Laboratory Rotation	Theurkauf	William
2199	BBS	850	ERL	Laboratory Rotation	Thompson	Paul
2209	BBS	850	ERL	Laboratory Rotation	Thompson	Paul

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2469	BBS	850	L1	Laboratory Rotation	Thompson	Paul
2730	BBS	850	L2	Laboratory Rotation	Thompson	Paul
2143	BBS	850	ERL	Laboratory Rotation	Trivedi	Chinmay
2440	BBS	850	L1	Laboratory Rotation	Trivedi	Chinmay
2699	BBS	850	L2	Laboratory Rotation	Trivedi	Chinmay
2179	BBS	850	ERL	Laboratory Rotation	Walhout	Albertha
2377	BBS	850	L1	Laboratory Rotation	Walhout	Albertha
2637	BBS	850	L2	Laboratory Rotation	Walhout	Albertha
2147	BBS	850	ERL	Laboratory Rotation	Walker	Amy
2460	BBS	850	L1	Laboratory Rotation	Walker	Amy
2703	BBS	850	L2	Laboratory Rotation	Walker	Amy
2121	BBS	850	ERL	Laboratory Rotation	Weng	Zhiping
2382	BBS	850	L1	Laboratory Rotation	Weng	Zhiping
2642	BBS	850	L2	Laboratory Rotation	Weng	Zhiping
4322	BBS	850	ERL	Laboratory Rotation	Wolfe	Scot
2389	BBS	850	L1	Laboratory Rotation	Wolfe	Scot
2650	BBS	850	L2	Laboratory Rotation	Wolfe	Scot
2146	BBS	850	ERL	Laboratory Rotation	Xiang	Yang
2443	BBS	850	L1	Laboratory Rotation	Xiang	Yang
2702	BBS	850	L2	Laboratory Rotation	Xiang	Yang
2190	BBS	850	ERL	Laboratory Rotation	Yu	Hong
2465	BBS	850	L1	Laboratory Rotation	Yu	Hong
2725	BBS	850	L2	Laboratory Rotation	Yu	Hong
2124	BBS	850	ERL	Laboratory Rotation	Zamore	Phillip
2385	BBS	850	L1	Laboratory Rotation	Zamore	Phillip
2645	BBS	850	L2	Laboratory Rotation	Zamore	Phillip
1012	BBS	870	1	Pre-Qualifying Research	ACHARYA	Usha Rajagopalan Jairaj
1013	BBS	870	1	Pre-Qualifying Research	Akbarian	Schahram
1014	BBS	870	1	Pre-Qualifying Research	Alkema	Mark
1549	BBS	870	1	Pre-Qualifying Research	Allison	Jeroan
1708	BBS	870	1	Pre-Qualifying Research	Alonso	Laura
1015	BBS	870	1	Pre-Qualifying Research	Ambros	Victor
1016	BBS	870	1	Pre-Qualifying Research	Anderson	Frederick
1813	BBS	870	1	Pre-Qualifying Research	Aroian	Raffi
1017	BBS	870	1	Pre-Qualifying Research	Aronin	Neil
1018	BBS	870	1	Pre-Qualifying Research	Bach	Ingolf
1019	BBS	870	1	Pre-Qualifying Research	Baehrecke	Eric
1573	BBS	870	1	Pre-Qualifying Research	Bailey	Jeffrey
1020	BBS	870	1	Pre-Qualifying Research	Baker	Richard
1692	BBS	870	1	Pre-Qualifying Research	Behar	Samuel
1613	BBS	870	1	Pre-Qualifying Research	Benanti	Jennifer
1574	BBS	870	1	Pre-Qualifying Research	Benard	Claire

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1021	BBS	870	1	Pre-Qualifying Research	Berg	Leslie
1668	BBS	870	1	Pre-Qualifying Research	Bergmann	Andreas
1022	BBS	870	1	Pre-Qualifying Research	Bogdanov	Alexei
1023	BBS	870	1	Pre-Qualifying Research	Bolon	Daniel
1024	BBS	870	1	Pre-Qualifying Research	Bortell	Rita
1025	BBS	870	1	Pre-Qualifying Research	Bosch	Irene
1182	BBS	870	1	Pre-Qualifying Research	Bosco	Daryl
1026	BBS	870	1	Pre-Qualifying Research	Boyartchuk	Victor
1575	BBS	870	1	Pre-Qualifying Research	Boyer	Edward
1693	BBS	870	1	Pre-Qualifying Research	Brass	Abraham
1576	BBS	870	1	Pre-Qualifying Research	Brehm	Michael
1750	BBS	870	1	Pre-Qualifying Research	Brewer	Judson
4258	BBS	870	1	Pre-Qualifying Research	Brewster	Robert
1027	BBS	870	1	Pre-Qualifying Research	Brodsky	Michael
1184	BBS	870	1	Pre-Qualifying Research	Brown	Robert
1028	BBS	870	1	Pre-Qualifying Research	Budnik	Vivian
1029	BBS	870	1	Pre-Qualifying Research	Cantor	Sharon
1030	BBS	870	1	Pre-Qualifying Research	Carruthers	Anthony
1031	BBS	870	1	Pre-Qualifying Research	Castilla	Lucio
4259	BBS	870	1	Pre-Qualifying Research	Cavacini	Lisa
1577	BBS	870	1	Pre-Qualifying Research	Ceol	Craig
1032	BBS	870	1	Pre-Qualifying Research	CHAN	Francis Ka Ming
1033	BBS	870	1	Pre-Qualifying Research	Clapham	Paul
1034	BBS	870	1	Pre-Qualifying Research	Clark	Robin
1550	BBS	870	1	Pre-Qualifying Research	Cooper	Marcus
1035	BBS	870	1	Pre-Qualifying Research	Corvera	Silvia
1036	BBS	870	1	Pre-Qualifying Research	Craig	Roger
1037	BBS	870	1	Pre-Qualifying Research	Czech	Michael
1038	BBS	870	1	Pre-Qualifying Research	Davis	Roger
1039	BBS	870	1	Pre-Qualifying Research	Dekker	Job
4273	BBS	870	1	Pre-Qualifying Research	Deligiannidis	Kristina
1040	BBS	870	1	Pre-Qualifying Research	DIFRANZA	Joseph
1041	BBS	870	1	Pre-Qualifying Research	Dobner	Paul
1042	BBS	870	1	Pre-Qualifying Research	Doxsey	Stephen
1043	BBS	870	1	Pre-Qualifying Research	Ellison	Richard
1715	BBS	870	1	Pre-Qualifying Research	Emerson	Charles
1044	BBS	870	1	Pre-Qualifying Research	EMERY	Patrick
1120	BBS	870	1	Pre-Qualifying Research	Etzel	Lori
1709	BBS	870	1	Pre-Qualifying Research	Evens	Andrew
1614	BBS	870	1	Pre-Qualifying Research	Fazzio	Thomas
1045	BBS	870	1	Pre-Qualifying Research	FIELD	Terry
1046	BBS	870	1	Pre-Qualifying Research	Finberg	Robert

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1047	BBS	870	1	Pre-Qualifying Research	Fisher	William
1048	BBS	870	1	Pre-Qualifying Research	Fitzgerald	Katherine
1049	BBS	870	1	Pre-Qualifying Research	Flotte	Terence
1050	BBS	870	1	Pre-Qualifying Research	Francis	Michael
1051	BBS	870	1	Pre-Qualifying Research	Franklin	Patricia
1658	BBS	870	1	Pre-Qualifying Research	FREEDMAN	Jane
1052	BBS	870	1	Pre-Qualifying Research	Freeman	Marc
1566	BBS	870	1	Pre-Qualifying Research	Fulwiler	Carl
1633	BBS	870	1	Pre-Qualifying Research	Futai	Kensuke
1053	BBS	870	1	Pre-Qualifying Research	Galdzicka	Marzena
1578	BBS	870	1	Pre-Qualifying Research	Gao	Fen-Biao
1055	BBS	870	1	Pre-Qualifying Research	Gao	Guangping
1703	BBS	870	1	Pre-Qualifying Research	Garber	Manuel
1054	BBS	870	1	Pre-Qualifying Research	Gardner	Paul
1056	BBS	870	1	Pre-Qualifying Research	Gilmore	James
1057	BBS	870	1	Pre-Qualifying Research	Ginns	Edward
1619	BBS	870	1	Pre-Qualifying Research	Goguen	Jon
1058	BBS	870	1	Pre-Qualifying Research	Goldberg	Robert
1826	BBS	870	1	Pre-Qualifying Research	Golenbock	Douglas
1059	BBS	870	1	Pre-Qualifying Research	Gottlinger	Heinrich
1060	BBS	870	1	Pre-Qualifying Research	Gounis	Matthew
1061	BBS	870	1	Pre-Qualifying Research	Gravallese	Ellen
1062	BBS	870	1	Pre-Qualifying Research	Green	Michael
1063	BBS	870	1	Pre-Qualifying Research	Green	Sharone
1064	BBS	870	1	Pre-Qualifying Research	Greiner	Dale
1065	BBS	870	1	Pre-Qualifying Research	Grossman	Steven
1702	BBS	870	1	Pre-Qualifying Research	Grunwald	David
1552	BBS	870	1	Pre-Qualifying Research	Guertin	David
1066	BBS	870	1	Pre-Qualifying Research	Hagstrom	Kirsten
1673	BBS	870	1	Pre-Qualifying Research	Hall-Anderson	Lisa
1628	BBS	870	1	Pre-Qualifying Research	Han	Gang
1638	BBS	870	1	Pre-Qualifying Research	Harris	John
1067	BBS	870	1	Pre-Qualifying Research	Hayward	Lawrence
1743	BBS	870	1	Pre-Qualifying Research	Huh	Jun
1068	BBS	870	1	Pre-Qualifying Research	Huseby	Eric
1069	BBS	870	1	Pre-Qualifying Research	Imbalzano	Anthony
1070	BBS	870	1	Pre-Qualifying Research	Iorio	Ronald
1071	BBS	870	1	Pre-Qualifying Research	Ip	Yicktung
1072	BBS	870	1	Pre-Qualifying Research	Jacobson	Allan
1073	BBS	870	1	Pre-Qualifying Research	Jonassen	Julie
1716	BBS	870	1	Pre-Qualifying Research	Jones	Peter
1074	BBS	870	1	Pre-Qualifying Research	Jones	Stephen

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1075	BBS	870	1	Pre-Qualifying Research	Kang	Joonsoo
1814	BBS	870	1	Pre-Qualifying Research	Karlsson	Elinor
1076	BBS	870	1	Pre-Qualifying Research	Kaufman	Paul
1579	BBS	870	1	Pre-Qualifying Research	Keaney	John
1694	BBS	870	1	Pre-Qualifying Research	Kelch	Brian
1077	BBS	870	1	Pre-Qualifying Research	Kelliher	Michelle
1634	BBS	870	1	Pre-Qualifying Research	Kennedy	David
1624	BBS	870	1	Pre-Qualifying Research	Khanna	Hemant
1738	BBS	870	1	Pre-Qualifying Research	Khvorova	Anastasia
1553	BBS	870	1	Pre-Qualifying Research	Kiefe	Catarina
1078	BBS	870	1	Pre-Qualifying Research	Kilpatrick	Daniel
4260	BBS	870	1	Pre-Qualifying Research	Kim	Dohoon
1181	BBS	870	1	Pre-Qualifying Research	Kim	Jason
1079	BBS	870	1	Pre-Qualifying Research	King	Jean
1080	BBS	870	1	Pre-Qualifying Research	King	Michael
1717	BBS	870	1	Pre-Qualifying Research	King	Oliver
1081	BBS	870	1	Pre-Qualifying Research	Kobertz	William
1082	BBS	870	1	Pre-Qualifying Research	Kornfeld	Hardy
1655	BBS	870	1	Pre-Qualifying Research	Korostelev	Andrei
1083	BBS	870	1	Pre-Qualifying Research	Kowalik	Timothy
1084	BBS	870	1	Pre-Qualifying Research	Kurt-Jones	Evelyn
1085	BBS	870	1	Pre-Qualifying Research	Lambright	David
1580	BBS	870	1	Pre-Qualifying Research	Landers	John
1714	BBS	870	1	Pre-Qualifying Research	Lane	Mary
1086	BBS	870	1	Pre-Qualifying Research	Languino	Lucia
1087	BBS	870	1	Pre-Qualifying Research	Latz	Eicke
1088	BBS	870	1	Pre-Qualifying Research	Lawrence	Jeanne
1089	BBS	870	1	Pre-Qualifying Research	Lawson	Nathan
1741	BBS	870	1	Pre-Qualifying Research	Lee	Michael
1090	BBS	870	1	Pre-Qualifying Research	Leiter	Andrew
1827	BBS	870	1	Pre-Qualifying Research	Lemos	Jose
1091	BBS	870	1	Pre-Qualifying Research	Leonard	Jack
1092	BBS	870	1	Pre-Qualifying Research	Leong	John
1093	BBS	870	1	Pre-Qualifying Research	Levitz	Stuart
1094	BBS	870	1	Pre-Qualifying Research	Lewis	Brian
1095	BBS	870	1	Pre-Qualifying Research	Li	Hong-Sheng
1180	BBS	870	1	Pre-Qualifying Research	Li	Shaoguang
1096	BBS	870	1	Pre-Qualifying Research	Lian	Jane
1097	BBS	870	1	Pre-Qualifying Research	Libraty	Daniel
1098	BBS	870	1	Pre-Qualifying Research	Lien	Egil
1099	BBS	870	1	Pre-Qualifying Research	Lilly	Craig
1718	BBS	870	1	Pre-Qualifying Research	Litvak	Vladimir

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1581	BBS	870	1	Pre-Qualifying Research	Lois	Carlos
1100	BBS	870	1	Pre-Qualifying Research	Lu	Shan
1674	BBS	870	1	Pre-Qualifying Research	Luban	Jeremy
1101	BBS	870	1	Pre-Qualifying Research	Luckmann	Roger
1108	BBS	870	1	Pre-Qualifying Research	Luna	Elizabeth
1102	BBS	870	1	Pre-Qualifying Research	Lyle	Stephen
1672	BBS	870	1	Pre-Qualifying Research	Maehr	Rene
1732	BBS	870	1	Pre-Qualifying Research	Mandon	Elisabet
1564	BBS	870	1	Pre-Qualifying Research	Mandrekar	Pranoti
1185	BBS	870	1	Pre-Qualifying Research	Mao	Junhao
1582	BBS	870	1	Pre-Qualifying Research	Maranda	Louise
1103	BBS	870	1	Pre-Qualifying Research	Marinus	Martin
1675	BBS	870	1	Pre-Qualifying Research	Martin	Gilles
1104	BBS	870	1	Pre-Qualifying Research	Massi	Francesca
1635	BBS	870	1	Pre-Qualifying Research	Mathew	Anuja
1105	BBS	870	1	Pre-Qualifying Research	Matthews	Charles
1106	BBS	870	1	Pre-Qualifying Research	McCollum	Dannel
1186	BBS	870	1	Pre-Qualifying Research	McCormick	Beth
1107	BBS	870	1	Pre-Qualifying Research	Melikian	Haley
1109	BBS	870	1	Pre-Qualifying Research	Mello	Craig
1110	BBS	870	1	Pre-Qualifying Research	Mercurio	Arthur
1625	BBS	870	1	Pre-Qualifying Research	Miklinevich	Kaitlyn
1727	BBS	870	1	Pre-Qualifying Research	Miller	Stephen
4360	BBS	870	1	Pre-Qualifying Research	Mitchell	Amir Zadok
1636	BBS	870	1	Pre-Qualifying Research	Moore	Constance
1111	BBS	870	1	Pre-Qualifying Research	Moore	Melissa
1565	BBS	870	1	Pre-Qualifying Research	Moormann	Ann
1112	BBS	870	1	Pre-Qualifying Research	Morrison	Trudy
1662	BBS	870	1	Pre-Qualifying Research	Muller	Christian
1113	BBS	870	1	Pre-Qualifying Research	Munson	Maryann
1114	BBS	870	1	Pre-Qualifying Research	Newburger	Peter
1115	BBS	870	1	Pre-Qualifying Research	Ockene	Ira
1116	BBS	870	1	Pre-Qualifying Research	Ockene	Judith
1117	BBS	870	1	Pre-Qualifying Research	Odgren	Paul
1733	BBS	870	1	Pre-Qualifying Research	Ogembo	Javier
1546	BBS	870	1	Pre-Qualifying Research	Ostroff	Gary
1118	BBS	870	1	Pre-Qualifying Research	Paydarfar	David
1119	BBS	870	1	Pre-Qualifying Research	Pazour	Gregory
1121	BBS	870	1	Pre-Qualifying Research	Peterson	Craig
1122	BBS	870	1	Pre-Qualifying Research	Pryciak	Peter
1797	BBS	870	1	Pre-Qualifying Research	Pukkila-Worley	Read
1639	BBS	870	1	Pre-Qualifying Research	Punzo	Claudio

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1123	BBS	870	1	Pre-Qualifying Research	Ram	Sanjay
1124	BBS	870	1	Pre-Qualifying Research	Rando	Oliver
4334	BBS	870	1	Pre-Qualifying Research	REBOLDI	Andrea
1125	BBS	870	1	Pre-Qualifying Research	Reed	George
1126	BBS	870	1	Pre-Qualifying Research	Reppert	Steven
1127	BBS	870	1	Pre-Qualifying Research	Rhind	Nicholas
1128	BBS	870	1	Pre-Qualifying Research	Rice	Peter
1129	BBS	870	1	Pre-Qualifying Research	Richter	Joel
1130	BBS	870	1	Pre-Qualifying Research	Rivera Perez	Jaime
1131	BBS	870	1	Pre-Qualifying Research	Rock	Kenneth
1132	BBS	870	1	Pre-Qualifying Research	Ross	Alonzo
1133	BBS	870	1	Pre-Qualifying Research	Rothman	Alan
1134	BBS	870	1	Pre-Qualifying Research	Rothschild	Anthony
1583	BBS	870	1	Pre-Qualifying Research	Rothstein	Ann
1135	BBS	870	1	Pre-Qualifying Research	Royer	William
1136	BBS	870	1	Pre-Qualifying Research	Ruiz De Luzuriaga	Katherine
1137	BBS	870	1	Pre-Qualifying Research	Ryder	Sean
1138	BBS	870	1	Pre-Qualifying Research	Sagerstrom	Charles
1139	BBS	870	1	Pre-Qualifying Research	Sassetti	Christopher
1815	BBS	870	1	Pre-Qualifying Research	Schafer	Dorothy
1140	BBS	870	1	Pre-Qualifying Research	Schiffer	Celia
1141	BBS	870	1	Pre-Qualifying Research	Schmidt	Madelyn
1142	BBS	870	1	Pre-Qualifying Research	Schwartz	William
1155	BBS	870	1	Pre-Qualifying Research	Selin	Liisa
1551	BBS	870	1	Pre-Qualifying Research	Sena Esteves	Miguel
1637	BBS	870	1	Pre-Qualifying Research	Shaffer	Scott
1143	BBS	870	1	Pre-Qualifying Research	Shaw	Leslie
1144	BBS	870	1	Pre-Qualifying Research	Silverman	Neal
1145	BBS	870	1	Pre-Qualifying Research	Simin	Karl
1146	BBS	870	1	Pre-Qualifying Research	Sluder	Greenfield
1147	BBS	870	1	Pre-Qualifying Research	Sluss	Hayla
1148	BBS	870	1	Pre-Qualifying Research	Socolovsky	Merav
1149	BBS	870	1	Pre-Qualifying Research	Song	Jie
1798	BBS	870	1	Pre-Qualifying Research	Sontheimer	Erik
1150	BBS	870	1	Pre-Qualifying Research	Sotak	Christopher
1151	BBS	870	1	Pre-Qualifying Research	Stavnezer	Janet
1152	BBS	870	1	Pre-Qualifying Research	Stein	Gary
1153	BBS	870	1	Pre-Qualifying Research	Stein	Janet
1154	BBS	870	1	Pre-Qualifying Research	Stern	Lawrence
1156	BBS	870	1	Pre-Qualifying Research	Sullivan	John
1661	BBS	870	1	Pre-Qualifying Research	Swain	Susan
1157	BBS	870	1	Pre-Qualifying Research	Szabo	Gyongyi

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1179	BBS	870	1	Pre-Qualifying Research	Tapper	Andrew
1159	BBS	870	1	Pre-Qualifying Research	Terajima	Masanori
1160	BBS	870	1	Pre-Qualifying Research	Theurkauf	William
1799	BBS	870	1	Pre-Qualifying Research	Thompson	Paul
1161	BBS	870	1	Pre-Qualifying Research	Tissenbaum	Heidi
1667	BBS	870	1	Pre-Qualifying Research	Trivedi	Chinmay
1158	BBS	870	1	Pre-Qualifying Research	Tsuda	Eva
1162	BBS	870	1	Pre-Qualifying Research	Urano	Fumihiko
1163	BBS	870	1	Pre-Qualifying Research	Vanwijnen	Andre
1164	BBS	870	1	Pre-Qualifying Research	Volkert	Michael
1165	BBS	870	1	Pre-Qualifying Research	Waddell	Scott
1166	BBS	870	1	Pre-Qualifying Research	Walhout	Albertha
1671	BBS	870	1	Pre-Qualifying Research	Walker	Amy
1167	BBS	870	1	Pre-Qualifying Research	Walsh	John
1800	BBS	870	1	Pre-Qualifying Research	Wang	Donghai
1584	BBS	870	1	Pre-Qualifying Research	Wang	Jennifer
1168	BBS	870	1	Pre-Qualifying Research	Wang	Yong
1585	BBS	870	1	Pre-Qualifying Research	Waring	Molly
1169	BBS	870	1	Pre-Qualifying Research	Weaver	David
1170	BBS	870	1	Pre-Qualifying Research	Welsh	Raymond
1171	BBS	870	1	Pre-Qualifying Research	Weng	Zhiping
1172	BBS	870	1	Pre-Qualifying Research	Wolfe	Scot
1173	BBS	870	1	Pre-Qualifying Research	Woodland	Robert
1670	BBS	870	1	Pre-Qualifying Research	Xiang	Yang
1174	BBS	870	1	Pre-Qualifying Research	Xu	Zuoshang
1816	BBS	870	1	Pre-Qualifying Research	Xue	Wen
1751	BBS	870	1	Pre-Qualifying Research	Yu	Hong
1175	BBS	870	1	Pre-Qualifying Research	Zamore	Phillip
1176	BBS	870	1	Pre-Qualifying Research	Zapp	Maria
1183	BBS	870	1	Pre-Qualifying Research	Zeldovich	Konstantin
1177	BBS	870	1	Pre-Qualifying Research	Zhang	Hong
1728	BBS	870	1	Pre-Qualifying Research	Zhang	Nanyin
1178	BBS	870	1	Pre-Qualifying Research	ZHUGE	Ronghua
1669	BBS	870	1	Pre-Qualifying Research	Ziedonis	Douglas
1187	BBS	900	1	Thesis Research	ACHARYA	Usha Rajagopalan Jairaj
1188	BBS	900	1	Thesis Research	Akbarian	Schahram
1189	BBS	900	1	Thesis Research	Alkema	Mark
1554	BBS	900	1	Thesis Research	Allison	Jeroan
1710	BBS	900	1	Thesis Research	Alonso	Laura
1190	BBS	900	1	Thesis Research	Ambros	Victor
1191	BBS	900	1	Thesis Research	Anderson	Frederick
1817	BBS	900	1	Thesis Research	Aroian	Raffi

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1192	BBS	900	1	Thesis Research	Aronin	Neil
1193	BBS	900	1	Thesis Research	Bach	Ingolf
1194	BBS	900	1	Thesis Research	Baehrecke	Eric
1586	BBS	900	1	Thesis Research	Bailey	Jeffrey
1195	BBS	900	1	Thesis Research	Baker	Richard
1695	BBS	900	1	Thesis Research	Behar	Samuel
1615	BBS	900	1	Thesis Research	Benanti	Jennifer
1587	BBS	900	1	Thesis Research	Benard	Claire
1196	BBS	900	1	Thesis Research	Berg	Leslie
1676	BBS	900	1	Thesis Research	Bergmann	Andreas
1197	BBS	900	1	Thesis Research	Bogdanov	Alexei
1198	BBS	900	1	Thesis Research	Bolon	Daniel
1199	BBS	900	1	Thesis Research	Bortell	Rita
1200	BBS	900	1	Thesis Research	Bosch	Irene
1359	BBS	900	1	Thesis Research	Bosco	Daryl
1201	BBS	900	1	Thesis Research	Boyartchuk	Victor
1588	BBS	900	1	Thesis Research	Boyer	Edward
1696	BBS	900	1	Thesis Research	Brass	Abraham
1589	BBS	900	1	Thesis Research	Brehm	Michael
1752	BBS	900	1	Thesis Research	Brewer	Judson
4261	BBS	900	1	Thesis Research	Brewster	Robert
1202	BBS	900	1	Thesis Research	Brodsky	Michael
1361	BBS	900	1	Thesis Research	Brown	Robert
1203	BBS	900	1	Thesis Research	Budnik	Vivian
1204	BBS	900	1	Thesis Research	Cantor	Sharon
1205	BBS	900	1	Thesis Research	Carruthers	Anthony
1206	BBS	900	1	Thesis Research	Castilla	Lucio
4262	BBS	900	1	Thesis Research	Cavacini	Lisa
1590	BBS	900	1	Thesis Research	Ceol	Craig
1207	BBS	900	1	Thesis Research	CHAN	Francis Ka Ming
1208	BBS	900	1	Thesis Research	Clapham	Paul
1209	BBS	900	1	Thesis Research	Clark	Robin
1555	BBS	900	1	Thesis Research	Cooper	Marcus
1210	BBS	900	1	Thesis Research	Corvera	Silvia
1211	BBS	900	1	Thesis Research	Craig	Roger
1212	BBS	900	1	Thesis Research	Czech	Michael
1213	BBS	900	1	Thesis Research	Davis	Roger
1214	BBS	900	1	Thesis Research	Dekker	Job
4272	BBS	900	1	Thesis Research	Deligiannidis	Kristina
1215	BBS	900	1	Thesis Research	DIFRANZA	Joseph
1216	BBS	900	1	Thesis Research	Dobner	Paul
1217	BBS	900	1	Thesis Research	Doxsey	Stephen

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1218	BBS	900	1	Thesis Research	Ellison	Richard
1719	BBS	900	1	Thesis Research	Emerson	Charles
1219	BBS	900	1	Thesis Research	EMERY	Patrick
1296	BBS	900	1	Thesis Research	Etzel	Lori
1616	BBS	900	1	Thesis Research	Fazzio	Thomas
1220	BBS	900	1	Thesis Research	FIELD	Terry
1221	BBS	900	1	Thesis Research	Finberg	Robert
1222	BBS	900	1	Thesis Research	Fisher	William
1223	BBS	900	1	Thesis Research	Fitzgerald	Katherine
1224	BBS	900	1	Thesis Research	Flotte	Terence
1225	BBS	900	1	Thesis Research	Francis	Michael
1226	BBS	900	1	Thesis Research	Franklin	Patricia
1659	BBS	900	1	Thesis Research	FREEDMAN	Jane
1227	BBS	900	1	Thesis Research	Freeman	Marc
1569	BBS	900	1	Thesis Research	Fulwiler	Carl
1631	BBS	900	1	Thesis Research	Futai	Kensuke
1228	BBS	900	1	Thesis Research	Galdzicka	Marzena
1591	BBS	900	1	Thesis Research	Gao	Fen-Biao
1230	BBS	900	1	Thesis Research	Gao	Guangping
1705	BBS	900	1	Thesis Research	Garber	Manuel
1229	BBS	900	1	Thesis Research	Gardner	Paul
1231	BBS	900	1	Thesis Research	Gilmore	James
1232	BBS	900	1	Thesis Research	Ginns	Edward
1620	BBS	900	1	Thesis Research	Goguen	Jon
1233	BBS	900	1	Thesis Research	Goldberg	Robert
1234	BBS	900	1	Thesis Research	Golenbock	Douglas
1235	BBS	900	1	Thesis Research	Gottlinger	Heinrich
1236	BBS	900	1	Thesis Research	Gounis	Matthew
1237	BBS	900	1	Thesis Research	Gravallese	Ellen
1238	BBS	900	1	Thesis Research	Green	Michael
1239	BBS	900	1	Thesis Research	Green	Sharone
1240	BBS	900	1	Thesis Research	Greiner	Dale
1241	BBS	900	1	Thesis Research	Grossman	Steven
1704	BBS	900	1	Thesis Research	Grunwald	David
1557	BBS	900	1	Thesis Research	Guertin	David
1242	BBS	900	1	Thesis Research	Hagstrom	Kirsten
1681	BBS	900	1	Thesis Research	Hall-Anderson	Lisa
1629	BBS	900	1	Thesis Research	Han	Gang
1645	BBS	900	1	Thesis Research	Han	Gang
1644	BBS	900	1	Thesis Research	Harris	John
1243	BBS	900	1	Thesis Research	Hayward	Lawrence
1744	BBS	900	1	Thesis Research	Huh	Jun

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1244	BBS	900	1	Thesis Research	Huseby	Eric
1245	BBS	900	1	Thesis Research	Imbalzano	Anthony
1246	BBS	900	1	Thesis Research	Iorio	Ronald
1247	BBS	900	1	Thesis Research	Ip	Yicktung
1248	BBS	900	1	Thesis Research	Jacobson	Allan
1249	BBS	900	1	Thesis Research	Jonassen	Julie
1720	BBS	900	1	Thesis Research	Jones	Peter
1250	BBS	900	1	Thesis Research	Jones	Stephen
1251	BBS	900	1	Thesis Research	Kang	Joonsoo
1818	BBS	900	1	Thesis Research	Karlsson	Elinor
1252	BBS	900	1	Thesis Research	Kaufman	Paul
1592	BBS	900	1	Thesis Research	Keaney	John
1697	BBS	900	1	Thesis Research	Kelch	Brian
1355	BBS	900	1	Thesis Research	Kelliher	Michelle
1640	BBS	900	1	Thesis Research	Kennedy	David
1622	BBS	900	1	Thesis Research	Khanna	Hemant
1739	BBS	900	1	Thesis Research	Khvorova	Anastasia
1558	BBS	900	1	Thesis Research	Kiefe	Catarina
1253	BBS	900	1	Thesis Research	Kilpatrick	Daniel
4263	BBS	900	1	Thesis Research	Kim	Dohoon
1358	BBS	900	1	Thesis Research	Kim	Jason
1254	BBS	900	1	Thesis Research	King	Jean
1255	BBS	900	1	Thesis Research	King	Michael
1721	BBS	900	1	Thesis Research	King	Oliver
1256	BBS	900	1	Thesis Research	Kobertz	William
1257	BBS	900	1	Thesis Research	Kornfeld	Hardy
1656	BBS	900	1	Thesis Research	Korostelev	Andrei
1258	BBS	900	1	Thesis Research	Kowalik	Timothy
1259	BBS	900	1	Thesis Research	Kurt-Jones	Evelyn
1260	BBS	900	1	Thesis Research	Lambright	David
1593	BBS	900	1	Thesis Research	Landers	John
1261	BBS	900	1	Thesis Research	Languino	Lucia
1262	BBS	900	1	Thesis Research	Latz	Eicke
1263	BBS	900	1	Thesis Research	Lawrence	Jeanne
1264	BBS	900	1	Thesis Research	Lawson	Nathan
1834	BBS	900	1	Thesis Research	Lee	Michael
1265	BBS	900	1	Thesis Research	Leiter	Andrew
1828	BBS	900	1	Thesis Research	Lemos	Jose
1266	BBS	900	1	Thesis Research	Leonard	Jack
1267	BBS	900	1	Thesis Research	Leong	John
1268	BBS	900	1	Thesis Research	Levitz	Stuart
1269	BBS	900	1	Thesis Research	Lewis	Brian

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1270	BBS	900	1	Thesis Research	Li	Hong-Sheng
1356	BBS	900	1	Thesis Research	Li	Shaoguang
1271	BBS	900	1	Thesis Research	Lian	Jane
1272	BBS	900	1	Thesis Research	Libraty	Daniel
1273	BBS	900	1	Thesis Research	Lien	Egil
1274	BBS	900	1	Thesis Research	Lilly	Craig
1722	BBS	900	1	Thesis Research	Litvak	Vladimir
1594	BBS	900	1	Thesis Research	Lois	Carlos
1275	BBS	900	1	Thesis Research	Lu	Shan
1682	BBS	900	1	Thesis Research	Luban	Jeremy
1276	BBS	900	1	Thesis Research	Luckmann	Roger
1277	BBS	900	1	Thesis Research	Luna	Elizabeth
1278	BBS	900	1	Thesis Research	Lyle	Stephen
1680	BBS	900	1	Thesis Research	Maehr	Rene
1734	BBS	900	1	Thesis Research	Mandon	Elisabet
1567	BBS	900	1	Thesis Research	Mandrekar	Pranoti
1362	BBS	900	1	Thesis Research	Mao	Junhao
1595	BBS	900	1	Thesis Research	Maranda	Louise
1279	BBS	900	1	Thesis Research	Marinus	Martin
1683	BBS	900	1	Thesis Research	Martin	Gilles
1280	BBS	900	1	Thesis Research	Massi	Francesca
1641	BBS	900	1	Thesis Research	Mathew	Anuja
1281	BBS	900	1	Thesis Research	Matthews	Charles
1282	BBS	900	1	Thesis Research	McCollum	Dannel
1363	BBS	900	1	Thesis Research	McCormick	Beth
1283	BBS	900	1	Thesis Research	Melikian	Haley
1284	BBS	900	1	Thesis Research	Mello	Craig
1285	BBS	900	1	Thesis Research	Mercurio	Arthur
1626	BBS	900	1	Thesis Research	Miklinevich	Kaitlyn
1286	BBS	900	1	Thesis Research	Miller	Stephen
4361	BBS	900	1	Thesis Research	Mitchell	Amir Zadok
1642	BBS	900	1	Thesis Research	Moore	Constance
1287	BBS	900	1	Thesis Research	Moore	Melissa
1568	BBS	900	1	Thesis Research	Moormann	Ann
1288	BBS	900	1	Thesis Research	Morrison	Trudy
1663	BBS	900	1	Thesis Research	Muller	Christian
1289	BBS	900	1	Thesis Research	Munson	Maryann
1290	BBS	900	1	Thesis Research	Newburger	Peter
1291	BBS	900	1	Thesis Research	Ockene	Ira
1292	BBS	900	1	Thesis Research	Ockene	Judith
1293	BBS	900	1	Thesis Research	Odgren	Paul
1735	BBS	900	1	Thesis Research	Ogembo	Javier

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1547	BBS	900	1	Thesis Research	Ostroff	Gary
1294	BBS	900	1	Thesis Research	Paydarfar	David
1295	BBS	900	1	Thesis Research	Pazour	Gregory
1829	BBS	900	1	Thesis Research	Peterson	Craig
1297	BBS	900	1	Thesis Research	Pryciak	Peter
1793	BBS	900	1	Thesis Research	Pukkila-Worley	Read
1646	BBS	900	1	Thesis Research	Punzo	Claudio
1298	BBS	900	1	Thesis Research	Ram	Sanjay
1357	BBS	900	1	Thesis Research	Rana	Tariq
1299	BBS	900	1	Thesis Research	Rando	Oliver
4335	BBS	900	1	Thesis Research	REBOLDI	Andrea
1300	BBS	900	1	Thesis Research	Reed	George
1301	BBS	900	1	Thesis Research	Reppert	Steven
1302	BBS	900	1	Thesis Research	Rhind	Nicholas
1303	BBS	900	1	Thesis Research	Rice	Peter
1304	BBS	900	1	Thesis Research	Richter	Joel
1305	BBS	900	1	Thesis Research	Rivera Perez	Jaime
1306	BBS	900	1	Thesis Research	Rock	Kenneth
1307	BBS	900	1	Thesis Research	Ross	Alonzo
1308	BBS	900	1	Thesis Research	Rothman	Alan
1309	BBS	900	1	Thesis Research	Rothschild	Anthony
1596	BBS	900	1	Thesis Research	Rothstein	Ann
1310	BBS	900	1	Thesis Research	Royer	William
1311	BBS	900	1	Thesis Research	Ruiz De Luzuriaga	Katherine
1312	BBS	900	1	Thesis Research	Ryder	Sean
1313	BBS	900	1	Thesis Research	Sagerstrom	Charles
1314	BBS	900	1	Thesis Research	Sassetti	Christopher
1819	BBS	900	1	Thesis Research	Schafer	Dorothy
1315	BBS	900	1	Thesis Research	Schiffer	Celia
1316	BBS	900	1	Thesis Research	Schmidt	Madelyn
1317	BBS	900	1	Thesis Research	Schwartz	William
1318	BBS	900	1	Thesis Research	Selin	Liisa
1556	BBS	900	1	Thesis Research	Sena Esteves	Miguel
1643	BBS	900	1	Thesis Research	Shaffer	Scott
1319	BBS	900	1	Thesis Research	Shaw	Leslie
1320	BBS	900	1	Thesis Research	Silverman	Neal
1321	BBS	900	1	Thesis Research	Simin	Karl
1830	BBS	900	1	Thesis Research	Sluder	Greenfield
1322	BBS	900	1	Thesis Research	Sluss	Hayla
1323	BBS	900	1	Thesis Research	Socolovsky	Merav
1324	BBS	900	1	Thesis Research	Song	Jie
1794	BBS	900	1	Thesis Research	Sontheimer	Erik

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1325	BBS	900	1	Thesis Research	Sotak	Christopher
1326	BBS	900	1	Thesis Research	Stavnezer	Janet
1327	BBS	900	1	Thesis Research	Stein	Gary
1328	BBS	900	1	Thesis Research	Stein	Janet
1329	BBS	900	1	Thesis Research	Stern	Lawrence
1330	BBS	900	1	Thesis Research	Stevenson	Mario
1331	BBS	900	1	Thesis Research	Sullivan	John
1647	BBS	900	1	Thesis Research	Swain	Susan
1332	BBS	900	1	Thesis Research	Szabo	Gyongyi
1334	BBS	900	1	Thesis Research	Tapper	Andrew
1335	BBS	900	1	Thesis Research	Terajima	Masanori
1336	BBS	900	1	Thesis Research	Theurkauf	William
1795	BBS	900	1	Thesis Research	Thompson	Paul
1337	BBS	900	1	Thesis Research	Tissenbaum	Heidi
1666	BBS	900	1	Thesis Research	Trivedi	Chinmay
1333	BBS	900	1	Thesis Research	Tsuda	Eva
1338	BBS	900	1	Thesis Research	Urano	Fumihiko
1339	BBS	900	1	Thesis Research	Vanwijnen	Andre
1340	BBS	900	1	Thesis Research	Volkert	Michael
1341	BBS	900	1	Thesis Research	Waddell	Scott
1342	BBS	900	1	Thesis Research	Walhout	Albertha
1679	BBS	900	1	Thesis Research	Walker	Amy
1343	BBS	900	1	Thesis Research	Walsh	John
1796	BBS	900	1	Thesis Research	Wang	Donghai
1597	BBS	900	1	Thesis Research	Wang	Jennifer
1344	BBS	900	1	Thesis Research	Wang	Yong
1598	BBS	900	1	Thesis Research	Waring	Molly
1345	BBS	900	1	Thesis Research	Weaver	David
1346	BBS	900	1	Thesis Research	Welsh	Raymond
1347	BBS	900	1	Thesis Research	Weng	Zhiping
1348	BBS	900	1	Thesis Research	Wolfe	Scot
1349	BBS	900	1	Thesis Research	Woodland	Robert
1678	BBS	900	1	Thesis Research	Xiang	Yang
1350	BBS	900	1	Thesis Research	Xu	Zuoshang
1820	BBS	900	1	Thesis Research	Xue	Wen
1753	BBS	900	1	Thesis Research	Yu	Hong
1351	BBS	900	1	Thesis Research	Zamore	Phillip
1352	BBS	900	1	Thesis Research	Zapp	Maria
1360	BBS	900	1	Thesis Research	Zeldovich	Konstantin
1353	BBS	900	1	Thesis Research	Zhang	Hong
1729	BBS	900	1	Thesis Research	Zhang	Nanyin
1354	BBS	900	1	Thesis Research	ZHUGE	Ronghua

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1677	BBS	900	1	Thesis Research	Ziedonis	Douglas
1364	BBS	990	1	Graduate Research	ACHARYA	Usha Rajagopalan Jairaj
1365	BBS	990	1	Graduate Research	Akbarian	Schahram
1366	BBS	990	1	Graduate Research	Alkema	Mark
1559	BBS	990	1	Graduate Research	Allison	Jeroan
1711	BBS	990	1	Graduate Research	Alonso	Laura
1367	BBS	990	1	Graduate Research	Ambros	Victor
1368	BBS	990	1	Graduate Research	Anderson	Frederick
1821	BBS	990	1	Graduate Research	Aroian	Raffi
1369	BBS	990	1	Graduate Research	Aronin	Neil
1370	BBS	990	1	Graduate Research	Bach	Ingolf
1371	BBS	990	1	Graduate Research	Baehrecke	Eric
1599	BBS	990	1	Graduate Research	Bailey	Jeffrey
1372	BBS	990	1	Graduate Research	Baker	Richard
1698	BBS	990	1	Graduate Research	Behar	Samuel
1617	BBS	990	1	Graduate Research	Benanti	Jennifer
1600	BBS	990	1	Graduate Research	Benard	Claire
1373	BBS	990	1	Graduate Research	Berg	Leslie
1684	BBS	990	1	Graduate Research	Bergmann	Andreas
1374	BBS	990	1	Graduate Research	Bogdanov	Alexei
1375	BBS	990	1	Graduate Research	Bolon	Daniel
1376	BBS	990	1	Graduate Research	Bortell	Rita
1377	BBS	990	1	Graduate Research	Bosch	Irene
1541	BBS	990	1	Graduate Research	Bosco	Daryl
1378	BBS	990	1	Graduate Research	Boyartchuk	Victor
1601	BBS	990	1	Graduate Research	Boyer	Edward
1699	BBS	990	1	Graduate Research	Brass	Abraham
1602	BBS	990	1	Graduate Research	Brehm	Michael
1754	BBS	990	1	Graduate Research	Brewer	Judson
4264	BBS	990	1	Graduate Research	Brewster	Robert
1379	BBS	990	1	Graduate Research	Brodsky	Michael
1543	BBS	990	1	Graduate Research	Brown	Robert
1380	BBS	990	1	Graduate Research	Budnik	Vivian
1381	BBS	990	1	Graduate Research	Cantor	Sharon
1382	BBS	990	1	Graduate Research	Carruthers	Anthony
1383	BBS	990	1	Graduate Research	Castilla	Lucio
4265	BBS	990	1	Graduate Research	Cavacini	Lisa
1603	BBS	990	1	Graduate Research	Ceol	Craig
1384	BBS	990	1	Graduate Research	CHAN	Francis Ka Ming
1385	BBS	990	1	Graduate Research	Clapham	Paul
1386	BBS	990	1	Graduate Research	Clark	Robin
1560	BBS	990	1	Graduate Research	Cooper	Marcus

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1387	BBS	990	1	Graduate Research	Corvera	Silvia
1388	BBS	990	1	Graduate Research	Craig	Roger
1389	BBS	990	1	Graduate Research	Czech	Michael
1390	BBS	990	1	Graduate Research	Davis	Roger
1391	BBS	990	1	Graduate Research	Dekker	Job
4271	BBS	990	1	Graduate Research	Deligiannidis	Kristina
1392	BBS	990	1	Graduate Research	DIFRANZA	Joseph
1393	BBS	990	1	Graduate Research	Dobner	Paul
1394	BBS	990	1	Graduate Research	Doxsey	Stephen
1395	BBS	990	1	Graduate Research	Ellison	Richard
1723	BBS	990	1	Graduate Research	Emerson	Charles
1396	BBS	990	1	Graduate Research	EMERY	Patrick
1476	BBS	990	1	Graduate Research	Etzel	Lori
1618	BBS	990	1	Graduate Research	Fazzio	Thomas
1397	BBS	990	1	Graduate Research	FIELD	Terry
1398	BBS	990	1	Graduate Research	Finberg	Robert
1399	BBS	990	1	Graduate Research	Fisher	William
1400	BBS	990	1	Graduate Research	Fitzgerald	Katherine
1401	BBS	990	1	Graduate Research	Flotte	Terence
1402	BBS	990	1	Graduate Research	Francis	Michael
1403	BBS	990	1	Graduate Research	Franklin	Patricia
1660	BBS	990	1	Graduate Research	FREEDMAN	Jane
1404	BBS	990	1	Graduate Research	Freeman	Marc
1572	BBS	990	1	Graduate Research	Fulwiler	Carl
1632	BBS	990	1	Graduate Research	Futai	Kensuke
1405	BBS	990	1	Graduate Research	Galdzicka	Marzena
1604	BBS	990	1	Graduate Research	Gao	Fen-Biao
1407	BBS	990	1	Graduate Research	Gao	Guangping
1707	BBS	990	1	Graduate Research	Garber	Manuel
1406	BBS	990	1	Graduate Research	Gardner	Paul
1408	BBS	990	1	Graduate Research	Gilmore	James
1409	BBS	990	1	Graduate Research	Ginns	Edward
1621	BBS	990	1	Graduate Research	Goguen	Jon
1410	BBS	990	1	Graduate Research	Goldberg	Robert
1411	BBS	990	1	Graduate Research	Golenbock	Douglas
1412	BBS	990	1	Graduate Research	Gottlinger	Heinrich
1413	BBS	990	1	Graduate Research	Gounis	Matthew
1414	BBS	990	1	Graduate Research	Gravallese	Ellen
1415	BBS	990	1	Graduate Research	Green	Michael
1416	BBS	990	1	Graduate Research	Green	Sharone
1417	BBS	990	1	Graduate Research	Greiner	Dale
1418	BBS	990	1	Graduate Research	Grossman	Steven

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1706	BBS	990	1	Graduate Research	Grunwald	David
1562	BBS	990	1	Graduate Research	Guertin	David
1419	BBS	990	1	Graduate Research	Hagstrom	Kirsten
1689	BBS	990	1	Graduate Research	Hall-Anderson	Lisa
1630	BBS	990	1	Graduate Research	Han	Gang
1652	BBS	990	1	Graduate Research	Harris	John
1420	BBS	990	1	Graduate Research	Hayward	Lawrence
1745	BBS	990	1	Graduate Research	Huh	Jun
1421	BBS	990	1	Graduate Research	Huseby	Eric
1422	BBS	990	1	Graduate Research	Imbalzano	Anthony
1423	BBS	990	1	Graduate Research	Iorio	Ronald
1424	BBS	990	1	Graduate Research	Ip	Yicktung
1425	BBS	990	1	Graduate Research	Jacobson	Allan
1605	BBS	990	1	Graduate Research	Jensen	Jeffrey
1426	BBS	990	1	Graduate Research	Jonassen	Julie
1724	BBS	990	1	Graduate Research	Jones	Peter
1427	BBS	990	1	Graduate Research	Jones	Stephen
1428	BBS	990	1	Graduate Research	Kang	Joonsoo
1822	BBS	990	1	Graduate Research	Karlsson	Elinor
1429	BBS	990	1	Graduate Research	Kaufman	Paul
1606	BBS	990	1	Graduate Research	Keaney	John
1700	BBS	990	1	Graduate Research	Kelch	Brian
1430	BBS	990	1	Graduate Research	Kelliher	Michelle
1648	BBS	990	1	Graduate Research	Kennedy	David
1623	BBS	990	1	Graduate Research	Khanna	Hemant
1740	BBS	990	1	Graduate Research	Khvorova	Anastasia
1563	BBS	990	1	Graduate Research	Kiefe	Catarina
1431	BBS	990	1	Graduate Research	Kilpatrick	Daniel
4266	BBS	990	1	Graduate Research	Kim	Dohoon
1540	BBS	990	1	Graduate Research	Kim	Jason
1432	BBS	990	1	Graduate Research	King	Jean
1433	BBS	990	1	Graduate Research	King	Michael
1725	BBS	990	1	Graduate Research	King	Oliver
1435	BBS	990	1	Graduate Research	Kobertz	William
1436	BBS	990	1	Graduate Research	Kornfeld	Hardy
1657	BBS	990	1	Graduate Research	Korostelev	Andrei
1437	BBS	990	1	Graduate Research	Kowalik	Timothy
1438	BBS	990	1	Graduate Research	Kurt-Jones	Evelyn
1439	BBS	990	1	Graduate Research	Lambright	David
1607	BBS	990	1	Graduate Research	Landers	John
1440	BBS	990	1	Graduate Research	Languino	Lucia
1441	BBS	990	1	Graduate Research	Latz	Eicke

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1442	BBS	990	1	Graduate Research	Lawrence	Jeanne
1443	BBS	990	1	Graduate Research	Lawson	Nathan
1742	BBS	990	1	Graduate Research	Lee	Michael
1444	BBS	990	1	Graduate Research	Leiter	Andrew
1445	BBS	990	1	Graduate Research	Lemos	Jose
1446	BBS	990	1	Graduate Research	Leonard	Jack
1447	BBS	990	1	Graduate Research	Leong	John
1448	BBS	990	1	Graduate Research	Levitz	Stuart
1449	BBS	990	1	Graduate Research	Lewis	Brian
1450	BBS	990	1	Graduate Research	Li	Hong-Sheng
1538	BBS	990	1	Graduate Research	Li	Shaoguang
1451	BBS	990	1	Graduate Research	Lian	Jane
1452	BBS	990	1	Graduate Research	Libraty	Daniel
1453	BBS	990	1	Graduate Research	Lien	Egil
1454	BBS	990	1	Graduate Research	Lilly	Craig
1726	BBS	990	1	Graduate Research	Litvak	Vladimir
1608	BBS	990	1	Graduate Research	Lois	Carlos
1455	BBS	990	1	Graduate Research	Lu	Shan
1690	BBS	990	1	Graduate Research	Luban	Jeremy
1456	BBS	990	1	Graduate Research	Luckmann	Roger
1457	BBS	990	1	Graduate Research	Luna	Elizabeth
1458	BBS	990	1	Graduate Research	Lyle	Stephen
1688	BBS	990	1	Graduate Research	Maehr	Rene
1736	BBS	990	1	Graduate Research	Mandon	Elisabet
1570	BBS	990	1	Graduate Research	Mandrekar	Pranoti
1544	BBS	990	1	Graduate Research	Mao	Junhao
1609	BBS	990	1	Graduate Research	Maranda	Louise
1459	BBS	990	1	Graduate Research	Marinus	Martin
1691	BBS	990	1	Graduate Research	Martin	Gilles
1460	BBS	990	1	Graduate Research	Massi	Francesca
1649	BBS	990	1	Graduate Research	Mathew	Anuja
1461	BBS	990	1	Graduate Research	Matthews	Charles
1462	BBS	990	1	Graduate Research	McCollum	Dannel
1545	BBS	990	1	Graduate Research	McCormick	Beth
1463	BBS	990	1	Graduate Research	Melikian	Haley
1464	BBS	990	1	Graduate Research	Mello	Craig
1465	BBS	990	1	Graduate Research	Mercurio	Arthur
1627	BBS	990	1	Graduate Research	Miklinevich	Kaitlyn
1466	BBS	990	1	Graduate Research	Miller	Stephen
4362	BBS	990	1	Graduate Research	Mitchell	Amir Zadok
1650	BBS	990	1	Graduate Research	Moore	Constance
1467	BBS	990	1	Graduate Research	Moore	Melissa

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1571	BBS	990	1	Graduate Research	Moormann	Ann
1468	BBS	990	1	Graduate Research	Morrison	Trudy
1664	BBS	990	1	Graduate Research	Muller	Christian
1469	BBS	990	1	Graduate Research	Munson	Maryann
1470	BBS	990	1	Graduate Research	Newburger	Peter
1471	BBS	990	1	Graduate Research	Ockene	Ira
1472	BBS	990	1	Graduate Research	Ockene	Judith
1473	BBS	990	1	Graduate Research	Odgren	Paul
1737	BBS	990	1	Graduate Research	Ogembo	Javier
1548	BBS	990	1	Graduate Research	Ostroff	Gary
1474	BBS	990	1	Graduate Research	Paydarfar	David
1475	BBS	990	1	Graduate Research	Pazour	Gregory
1477	BBS	990	1	Graduate Research	Peterson	Craig
1478	BBS	990	1	Graduate Research	Pryciak	Peter
1801	BBS	990	1	Graduate Research	Pukkila-Worley	Read
1653	BBS	990	1	Graduate Research	Punzo	Claudio
1479	BBS	990	1	Graduate Research	Ram	Sanjay
1539	BBS	990	1	Graduate Research	Rana	Tariq
1480	BBS	990	1	Graduate Research	Rando	Oliver
4337	BBS	990	1	Graduate Research	REBOLDI	Andrea
1481	BBS	990	1	Graduate Research	Reed	George
1482	BBS	990	1	Graduate Research	Reppert	Steven
1483	BBS	990	1	Graduate Research	Rhind	Nicholas
1484	BBS	990	1	Graduate Research	Rice	Peter
1485	BBS	990	1	Graduate Research	Richter	Joel
1486	BBS	990	1	Graduate Research	Rivera Perez	Jaime
1487	BBS	990	1	Graduate Research	Rock	Kenneth
1488	BBS	990	1	Graduate Research	Ross	Alonzo
1489	BBS	990	1	Graduate Research	Rothman	Alan
1490	BBS	990	1	Graduate Research	Rothschild	Anthony
1610	BBS	990	1	Graduate Research	Rothstein	Ann
1491	BBS	990	1	Graduate Research	Royer	William
1492	BBS	990	1	Graduate Research	Ruiz De Luzuriaga	Katherine
1493	BBS	990	1	Graduate Research	Ryder	Sean
1494	BBS	990	1	Graduate Research	Sagerstrom	Charles
1495	BBS	990	1	Graduate Research	Sassetti	Christopher
1823	BBS	990	1	Graduate Research	Schafer	Dorothy
1496	BBS	990	1	Graduate Research	Schiffer	Celia
1497	BBS	990	1	Graduate Research	Schmidt	Madelyn
1498	BBS	990	1	Graduate Research	Schwartz	William
1499	BBS	990	1	Graduate Research	Selin	Liisa
1561	BBS	990	1	Graduate Research	Sena Esteves	Miguel

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1651	BBS	990	1	Graduate Research	Shaffer	Scott
1500	BBS	990	1	Graduate Research	Shaw	Leslie
1501	BBS	990	1	Graduate Research	Silverman	Neal
1502	BBS	990	1	Graduate Research	Simin	Karl
1503	BBS	990	1	Graduate Research	Sluder	Greenfield
1504	BBS	990	1	Graduate Research	Sluss	Hayla
1505	BBS	990	1	Graduate Research	Socolovsky	Merav
1506	BBS	990	1	Graduate Research	Song	Jie
1802	BBS	990	1	Graduate Research	Sontheimer	Erik
1507	BBS	990	1	Graduate Research	Sotak	Christopher
1508	BBS	990	1	Graduate Research	Stavnezer	Janet
1509	BBS	990	1	Graduate Research	Stein	Gary
1510	BBS	990	1	Graduate Research	Stein	Janet
1511	BBS	990	1	Graduate Research	Stern	Lawrence
1512	BBS	990	1	Graduate Research	Stevenson	Mario
1513	BBS	990	1	Graduate Research	Sullivan	John
1654	BBS	990	1	Graduate Research	Swain	Susan
1514	BBS	990	1	Graduate Research	Szabo	Gyongyi
1516	BBS	990	1	Graduate Research	Tapper	Andrew
1517	BBS	990	1	Graduate Research	Terajima	Masanori
1518	BBS	990	1	Graduate Research	Theurkauf	William
1803	BBS	990	1	Graduate Research	Thompson	Paul
1519	BBS	990	1	Graduate Research	Tissenbaum	Heidi
1665	BBS	990	1	Graduate Research	Trivedi	Chinmay
1515	BBS	990	1	Graduate Research	Tsuda	Eva
1520	BBS	990	1	Graduate Research	Urano	Fumihiko
1521	BBS	990	1	Graduate Research	Vanwijnen	Andre
1522	BBS	990	1	Graduate Research	Volkert	Michael
1523	BBS	990	1	Graduate Research	Waddell	Scott
1524	BBS	990	1	Graduate Research	Walhout	Albertha
1687	BBS	990	1	Graduate Research	Walker	Amy
1525	BBS	990	1	Graduate Research	Walsh	John
1804	BBS	990	1	Graduate Research	Wang	Donghai
1611	BBS	990	1	Graduate Research	Wang	Jennifer
1526	BBS	990	1	Graduate Research	Wang	Yong
1612	BBS	990	1	Graduate Research	Waring	Molly
1527	BBS	990	1	Graduate Research	Weaver	David
1528	BBS	990	1	Graduate Research	Welsh	Raymond
1529	BBS	990	1	Graduate Research	Weng	Zhiping
1530	BBS	990	1	Graduate Research	Wolfe	Scot
1531	BBS	990	1	Graduate Research	Woodland	Robert
1686	BBS	990	1	Graduate Research	Xiang	Yang

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1532	BBS	990	1	Graduate Research	Xu	Zuoshang
1824	BBS	990	1	Graduate Research	Xue	Wen
1533	BBS	990	1	Graduate Research	Yoshihara	Motojiro
1755	BBS	990	1	Graduate Research	Yu	Hong
1534	BBS	990	1	Graduate Research	Zamore	Phillip
1535	BBS	990	1	Graduate Research	Zapp	Maria
1542	BBS	990	1	Graduate Research	Zeldovich	Konstantin
1536	BBS	990	1	Graduate Research	Zhang	Hong
1730	BBS	990	1	Graduate Research	Zhang	Nanyin
1537	BBS	990	1	Graduate Research	ZHUGE	Ronghua
1685	BBS	990	1	Graduate Research	Ziedonis	Douglas

Clinical & Translational Science Class Numbers

Non-Research Course Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1853	CTS	602A	CPH	Adv Epidemiology & Res Mthds	Jesdale	William
1848	CTS	603A	CPH	Generalized Linear Models	Person	Sharina
2192	CTS	605A	ERL	Introduction to Clinical Epidemiology & Biostatistics	Chrysanthopoulou	Stavroula
1849	CTS	611	CPH	Scientific Writing	Goldberg	Robert
1846	CTS	701	CPH	Systematic Review	Ulbricht	Christine
1850	CTS	702	CPH	Ethics for Clinical Research	Dube	Catherine
1860	CTS	712	CPH	Advanced Topics in Biostatistics	Chrysanthopoulou	Stavroula
4312	CTS	729	ERL	Social Epidemiology	Jesdale	William
4339	CTS	731	CPH	Behavioral Determinants	Rosal	Milagros
1857	CTS	735	CPH	Intro.Implementation Science	Hogan	Timothy
1847	CTS	799	CPH	Independent Study	Lapane	Kate
1852	CTS	799	CPH	Independent Study	Goldberg	Robert
1851	CTS	802	CPH	Journal Club	Goldberg	Robert
1854	CTS	855	CPH	Research Seminar	Goldberg	Robert
1858	CTS	865	CPH	CTS TRAC MEETING	Lapane	Kate

Research Course Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
4313	CTS	550	CTS	Research Assistantship	Epstein	Mara
2067	CTS	550	CTS	Research Assistantship	Person	Sharina
2068	CTS	550	CTS	Research Assistantship	Rosal	Milagros
2066	CTS	550	CTS	Research Assistantship	Rosen	Allison
1956	CTS	850	CTS	Research Assistantship	Alavi	Karim
1872	CTS	850	CTS	Research Assistantship	Allison	Jeroan
2046	CTS	850	CTS	Research Assistantship	Anderson	Frederick
2037	CTS	850	CTS	Research Assistantship	Ash	Arlene
1869	CTS	850	CTS	Research Assistantship	Boudreaux	Edwin
2012	CTS	850	CTS	Research Assistantship	Bova	Carol
2011	CTS	850	CTS	Research Assistantship	Brewer	Judson
4285	CTS	850	CTS	Research Assistantship	Clark	Melissa
2047	CTS	850	CTS	Research Assistantship	Clark	Robin
4278	CTS	850	CTS	Research Assistantship	Deligiannidis	Kristina
2013	CTS	850	CTS	Research Assistantship	Dube	Catherine
1957	CTS	850	CTS	Research Assistantship	Epstein	Mara
2014	CTS	850	CTS	Research Assistantship	Fang	Hua
1863	CTS	850	CTS	Research Assistantship	Frazier	Jean
1871	CTS	850	CTS	Research Assistantship	Goldberg	Robert

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2052	CTS	850	CTS	Research Assistantship	Harlan	David
2015	CTS	850	CTS	Research Assistantship	Hoaglin	David
2016	CTS	850	CTS	Research Assistantship	Hogan	Timothy
1870	CTS	850	CTS	Research Assistantship	Houston	Thomas
2069	CTS	850	CTS	Research Assistantship	Jesdale	William
2061	CTS	850	CTS	Research Assistantship	Kiefe	Catarina
2193	CTS	850	ERL	Research Assistantship	Kiefe	Catarina
1988	CTS	850	CTS	Research Assistantship	LAFEMINA	Jennifer
1868	CTS	850	CTS	Research Assistantship	Lapane	Kate
2042	CTS	850	CTS	Research Assistantship	Lemon	Stephenie
2045	CTS	850	CTS	Research Assistantship	Luckmann	Roger
1958	CTS	850	CTS	Research Assistantship	Madison	John
1866	CTS	850	CTS	Research Assistantship	Marsh	Wendy
1980	CTS	850	CTS	Research Assistantship	Mattocks	Kristin
4323	CTS	850	CTS	Research Assistantship	McManus	David
1875	CTS	850	CTS	Research Assistantship	Mick	Eric
2072	CTS	850	CTS	Research Assistantship	Moormann	Ann
1874	CTS	850	CTS	Research Assistantship	Ockene	Judith
1959	CTS	850	CTS	Research Assistantship	OLENDZKI	Barbara
2070	CTS	850	CTS	Research Assistantship	Pagoto	Sherry
1865	CTS	850	CTS	Research Assistantship	Person	Sharina
1985	CTS	850	CTS	Research Assistantship	Rosal	Milagros
1864	CTS	850	CTS	Research Assistantship	Rosen	Allison
2017	CTS	850	CTS	Research Assistantship	Rosen	Amy
2065	CTS	850	CTS	Research Assistantship	Saczynski	Jane
1873	CTS	850	CTS	Research Assistantship	Salmoirago Blotcher	Elena
1993	CTS	850	CTS	Research Assistantship	Salmoirago Blotcher	Elena
1960	CTS	850	CTS	Research Assistantship	Santry	Heena
1867	CTS	850	CTS	Research Assistantship	Schneider	Kristin
1961	CTS	850	CTS	Research Assistantship	Spencer	Frederick
1862	CTS	850	CTS	Research Assistantship	Upshur	Carole
1983	CTS	850	CTS	Research Assistantship	Waring	Molly
2018	CTS	850	CTS	Research Assistantship	Yu	Hong
2060	CTS	850	CTS	Research Assistantship	Ziedonis	Douglas
4317	CTS	870	CTS	Pre-Thesis Research	Goldberg	Robert
4316	CTS	870	CTS	Pre-Thesis Research	Kiefe	Catarina
4318	CTS	870	CTS	Pre-Thesis Research	Lapane	Kate
4314	CTS	870	CTS	Pre-Thesis Research	Lemon	Stephenie
4324	CTS	870	CTS	Pre-Thesis Research	McManus	David
4315	CTS	870	CTS	Pre-Thesis Research	Ockene	Judith
1962	CTS	900	CTS	Thesis Research	Alavi	Karim
1889	CTS	900	CTS	Thesis Research	Allison	Jeroan

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1886	CTS	900	CTS	Thesis Research	Anderson	Frederick
1902	CTS	900	CTS	Thesis Research	Ash	Arlene
1895	CTS	900	CTS	Thesis Research	Bandini	Linda
2020	CTS	900	CTS	Thesis Research	Bova	Carol
2019	CTS	900	CTS	Thesis Research	Brewer	Judson
4286	CTS	900	CTS	Thesis Research	Clark	Melissa
1883	CTS	900	CTS	Thesis Research	Clark	Robin
4279	CTS	900	CTS	Thesis Research	Deligiannidis	Kristina
1903	CTS	900	CTS	Thesis Research	DIFRANZA	Joseph
2021	CTS	900	CTS	Thesis Research	Dube	Catherine
1963	CTS	900	CTS	Thesis Research	Epstein	Mara
1887	CTS	900	CTS	Thesis Research	Etzel	Lori
2022	CTS	900	CTS	Thesis Research	Fang	Hua
1878	CTS	900	CTS	Thesis Research	FIELD	Terry
1890	CTS	900	CTS	Thesis Research	Fisher	William
1880	CTS	900	CTS	Thesis Research	Franklin	Patricia
1893	CTS	900	CTS	Thesis Research	Frazier	Jean
1891	CTS	900	CTS	Thesis Research	Goldberg	Robert
2054	CTS	900	CTS	Thesis Research	Harlan	David
2023	CTS	900	CTS	Thesis Research	Hoaglin	David
2024	CTS	900	CTS	Thesis Research	Hogan	Timothy
1896	CTS	900	CTS	Thesis Research	Houston	Thomas
2059	CTS	900	CTS	Thesis Research	Kiefe	Catarina
1898	CTS	900	CTS	Thesis Research	King	Jean
1907	CTS	900	CTS	Thesis Research	Lapane	Kate
1892	CTS	900	CTS	Thesis Research	Lemon	Stephenie
1882	CTS	900	CTS	Thesis Research	Lilly	Craig
1881	CTS	900	CTS	Thesis Research	Luckmann	Roger
1964	CTS	900	CTS	Thesis Research	Madison	John
1885	CTS	900	CTS	Thesis Research	Madoff	Lawrence
1900	CTS	900	CTS	Thesis Research	Marsh	Wendy
1981	CTS	900	CTS	Thesis Research	Mattocks	Kristin
1877	CTS	900	CTS	Thesis Research	McLaughlin	Thomas
4325	CTS	900	CTS	Thesis Research	McManus	David
1908	CTS	900	CTS	Thesis Research	Mick	Eric
1904	CTS	900	CTS	Thesis Research	Moore	Constance
1888	CTS	900	CTS	Thesis Research	Ockene	Ira
1965	CTS	900	CTS	Thesis Research	OLENDZKI	Barbara
1897	CTS	900	CTS	Thesis Research	Paydarfar	David
1899	CTS	900	CTS	Thesis Research	Person	Sharina
1879	CTS	900	CTS	Thesis Research	Reed	George
1986	CTS	900	CTS	Thesis Research	Rosal	Milagros

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1894	CTS	900	CTS	Thesis Research	Rosen	Allison
2025	CTS	900	CTS	Thesis Research	Rosen	Amy
1884	CTS	900	CTS	Thesis Research	Rothman	Alan
1905	CTS	900	CTS	Thesis Research	Saczynski	Jane
1966	CTS	900	CTS	Thesis Research	Santry	Heena
1901	CTS	900	CTS	Thesis Research	Schneider	Kristin
1967	CTS	900	CTS	Thesis Research	Spencer	Frederick
1876	CTS	900	CTS	Thesis Research	Upshur	Carole
1906	CTS	900	CTS	Thesis Research	Ware	John
2048	CTS	900	CTS	Thesis Research	Waring	Molly
2026	CTS	900	CTS	Thesis Research	Yu	Hong
2058	CTS	900	CTS	Thesis Research	Ziedonis	Douglas
1968	CTS	990	CTS	Graduate Research	Alavi	Karim
1919	CTS	990	CTS	Graduate Research	Allison	Jeroan
1916	CTS	990	CTS	Graduate Research	Anderson	Frederick
1861	CTS	990	CTS	Graduate Research	Ash	Arlene
1934	CTS	990	CTS	Graduate Research	Ash	Arlene
1927	CTS	990	CTS	Graduate Research	Bandini	Linda
2028	CTS	990	CTS	Graduate Research	Bova	Carol
2027	CTS	990	CTS	Graduate Research	Brewer	Judson
4287	CTS	990	CTS	Graduate Research	Clark	Melissa
1913	CTS	990	CTS	Graduate Research	Clark	Robin
4280	CTS	990	CTS	Graduate Research	Deligiannidis	Kristina
1935	CTS	990	CTS	Graduate Research	DIFRANZA	Joseph
2029	CTS	990	CTS	Graduate Research	Dube	Catherine
1969	CTS	990	CTS	Graduate Research	Epstein	Mara
1917	CTS	990	CTS	Graduate Research	Etsel	Lori
2030	CTS	990	CTS	Graduate Research	Fang	Hua
1922	CTS	990	CTS	Graduate Research	FIELD	Terry
1920	CTS	990	CTS	Graduate Research	Fisher	William
1923	CTS	990	CTS	Graduate Research	Franklin	Patricia
1925	CTS	990	CTS	Graduate Research	Frazier	Jean
1921	CTS	990	CTS	Graduate Research	Goldberg	Robert
2055	CTS	990	CTS	Graduate Research	Harlan	David
2031	CTS	990	CTS	Graduate Research	Hoaglin	David
2032	CTS	990	CTS	Graduate Research	Hogan	Timothy
1928	CTS	990	CTS	Graduate Research	Houston	Thomas
2056	CTS	990	CTS	Graduate Research	Kiefe	Catarina
1930	CTS	990	CTS	Graduate Research	King	Jean
1990	CTS	990	CTS	Graduate Research	LAFEMINA	Jennifer
1939	CTS	990	CTS	Graduate Research	Lapane	Kate
1924	CTS	990	CTS	Graduate Research	Lemon	Stephenie

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1912	CTS	990	CTS	Graduate Research	Lilly	Craig
1911	CTS	990	CTS	Graduate Research	Luckmann	Roger
1970	CTS	990	CTS	Graduate Research	Madison	John
1915	CTS	990	CTS	Graduate Research	Madoff	Lawrence
1932	CTS	990	CTS	Graduate Research	Marsh	Wendy
1982	CTS	990	CTS	Graduate Research	Mattocks	Kristin
1909	CTS	990	CTS	Graduate Research	McLaughlin	Thomas
4326	CTS	990	CTS	Graduate Research	McManus	David
1940	CTS	990	CTS	Graduate Research	Mick	Eric
1936	CTS	990	CTS	Graduate Research	Moore	Constance
1918	CTS	990	CTS	Graduate Research	Ockene	Ira
1971	CTS	990	CTS	Graduate Research	OLENDZKI	Barbara
1929	CTS	990	CTS	Graduate Research	Paydarfar	David
1931	CTS	990	CTS	Graduate Research	Person	Sharina
1910	CTS	990	CTS	Graduate Research	Reed	George
1987	CTS	990	CTS	Graduate Research	Rosal	Milagros
1926	CTS	990	CTS	Graduate Research	Rosen	Allison
2033	CTS	990	CTS	Graduate Research	Rosen	Amy
1914	CTS	990	CTS	Graduate Research	Rothman	Alan
1937	CTS	990	CTS	Graduate Research	Saczynski	Jane
1972	CTS	990	CTS	Graduate Research	Santry	Heena
1933	CTS	990	CTS	Graduate Research	Schneider	Kristin
1973	CTS	990	CTS	Graduate Research	Spencer	Frederick
1938	CTS	990	CTS	Graduate Research	Ware	John
2049	CTS	990	CTS	Graduate Research	Waring	Molly
2034	CTS	990	CTS	Graduate Research	Yu	Hong
2057	CTS	990	CTS	Graduate Research	Ziedonis	Douglas

Health Sciences Preparatory Program Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2215	HSP	500	HSM	Building Working Cells & Tissu	Royer	William
2217	HSP	502A	HSM	Med Physiology & Histology A	Jonassen	Julie
2216	HSP	504A	HSM	Academic Achievement A	Hines	Deborah

MD/PhD Class Numbers

Non-Research Course Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1761	MDP	740A	MDP	Dev. Solutions Res.Prob.A Yr1	Corvera	Silvia
1836	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Alonso	Laura
1778	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Bosco	Daryl
1840	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Brehm	Michael
1783	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ceol	Craig
1785	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Corvera	Silvia
4284	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Deligiannidis	Kristina
1781	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Epstein	Mara
1786	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Goldberg	Robert
1774	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Grigg	Peter
1777	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Guertin	David
1767	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Harris	John
1779	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Khanna	Hemant
1770	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Lawrence	Jeanne
1784	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Lee	Michael
1768	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Levitz	Stuart
1775	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Luckmann	Roger
1837	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Mercurio	Arthur
1787	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Moore	Melissa
1773	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Paydarfar	David
1805	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Pukkila-Worley	Read
1771	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sassetti	Christopher
1839	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Schafer	Dorothy
1769	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Schiffer	Celia
1776	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sena Esteves	Miguel
1765	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Shaw	Leslie
1806	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Sontheimer	Erik
1782	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Szabo	Gyongyi
1807	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Thompson	Paul
1780	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Tjia	Jennifer
1772	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Trivedi	Chinmay

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
1764	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Walhout	Albertha
1791	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Walz	Jens
1808	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Wang	Donghai
1841	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Ward	Doyle
1766	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Woodland	Robert
1835	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Xue	Wen
1763	MDP	740B	MDP	Dev. Solutions Res.Prob.B Yr2	Zhang	Nanyin
1762	MDP	740C	MDP	Dev. Solutions Res.Prob.C Yr3	Corvera	Silvia
2764	MDP	741	MDP	Intro. to Translational Med	Corvera	Silvia
2765	MDP	742	MDP	MD/PhD HIPAA & OSHA Cert.	Michelson	Anne
2767	MDP	744	MDP	MD/PhD Learning Communities	Szabo	Gyongyi
2766	MDP	800	MDP	MD/PhD Seminar	Michelson	Anne
2738	MDP	990	MDP	MD/PhD Grad.Res.Stu Post-Disse	Michelson	Anne

Research Course Class Numbers

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2763	BBS	865	MDP	BBS TRAC Meeting	Lane	Mary
4341	BBS	900	MDP	Thesis Research	Ceol	Craig
4340	BBS	900	MDP	Thesis Research	Lee	Michael
4344	BBS	900	MDP	Thesis Research	Moore	Melissa
4342	BBS	900	MDP	Thesis Research	Richter	Joel
4343	BBS	900	MDP	Thesis Research	Sassetti	Christopher
2739	BBS	990	MDP	Graduate Research	Aronin	Neil
2740	BBS	990	MDP	Graduate Research	Bailey	Jeffrey
2762	BBS	990	MDP	Graduate Research	Behar	Samuel
4350	BBS	990	MDP	Graduate Research	Bosco	Daryl
4267	BBS	990	MDP	Graduate Research	Brewster	Robert
2741	BBS	990	MDP	Graduate Research	Brown	Robert
4268	BBS	990	MDP	Graduate Research	Cavacini	Lisa
2760	BBS	990	MDP	Graduate Research	Cooper	Marcus
4270	BBS	990	MDP	Graduate Research	Deligiannidis	Kristina
2742	BBS	990	MDP	Graduate Research	Gardner	Paul
2743	BBS	990	MDP	Graduate Research	Golenbock	Douglas
2761	BBS	990	MDP	Graduate Research	Gravallese	Ellen
4348	BBS	990	MDP	Graduate Research	Guertin	David
4351	BBS	990	MDP	Graduate Research	Harris	John
4269	BBS	990	MDP	Graduate Research	Kim	Dohoon
2744	BBS	990	MDP	Graduate Research	Kurt-Jones	Evelyn
4345	BBS	990	MDP	Graduate Research	Lawrence	Jeanne
2745	BBS	990	MDP	Graduate Research	Levitz	Stuart
2746	BBS	990	MDP	Graduate Research	Li	Hong-Sheng

Class #	Subject	Catalog	Session	Description	Faculty Last	Faculty First
2747	BBS	990	MDP	Graduate Research	Lien	Egil
4336	BBS	990	MDP	Graduate Research	REBOLDI	Andrea
2748	BBS	990	MDP	Graduate Research	Rhind	Nicholas
2749	BBS	990	MDP	Graduate Research	Richter	Joel
4347	BBS	990	MDP	Graduate Research	Rock	Kenneth
2750	BBS	990	MDP	Graduate Research	Schiffer	Celia
2751	BBS	990	MDP	Graduate Research	Shaw	Leslie
2752	BBS	990	MDP	Graduate Research	Song	Jie
2753	BBS	990	MDP	Graduate Research	Szabo	Gyongyi
4349	BBS	990	MDP	Graduate Research	Trivedi	Chinmay
4346	BBS	990	MDP	Graduate Research	Walhout	Albertha
2754	BBS	990	MDP	Graduate Research	Weng	Zhiping
2755	BBS	990	MDP	Graduate Research	Yang	Jason
2756	BBS	990	MDP	Graduate Research	Zamore	Phillip
2757	CTS	990	MDP	Graduate Research	Allison	Jeroan
2758	CTS	990	MDP	Graduate Research	Anderson	Frederick
4288	CTS	990	MDP	Graduate Research	Clark	Melissa
2759	CTS	990	MDP	Graduate Research	Clark	Robin
4281	CTS	990	MDP	Graduate Research	Deligiannidis	Kristina
4352	CTS	990	MDP	Graduate Research	Kiefe	Catarina
4353	CTS	990	MDP	Graduate Research	Luckmann	Roger
4327	CTS	990	MDP	Graduate Research	McManus	David
2738	MDP	990	MDP	MD/PhD Grad.Res.Stu Post-Disse	Michelson	Anne