Fall 2017
Graduate Course Offerings

Photo Credit: Janine Gelineau
UConn Health
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All course offerings, tuition and fee information are subject to change without notice.

Rev. 4/10/17
ACADEMIC CALENDAR
FALL 2017

Mon., Aug. 28  Official start of Fall semester and Ph.D. Fall Lab Rotations

Mon., Sept. 4  Labor Day-No Classes

Mon., Sept. 11  Last day to:
   • Drop a course without a “W” grade (for withdrawal)
   • Add a course without permission of the UConn Health Graduate School Associate Dean

Tue., Sept. 26  Dean’s signature required to add courses

Mon., Oct. 23  Registration for the Spring 2018 semester via Student Administration System begins

Mon., Oct. 30  Last day for graduate students to drop a course without major Advisors written recommendation & special permission from Associate Dean of the Graduate School

Fri., Nov. 17  Last day to announce an oral defense of a doctoral dissertation for conferral of a Fall 2017 degree

Sun.-Sat., Nov. 19-25  Thanksgiving Recess

Fri., Dec. 1  Last day to defend a master’s thesis or doctoral dissertation for conferral of a Fall 2017 degree

Fri., Dec. 8-17  Conclusion of Fall semester classes (date varies by course)

Fri., Dec. 8  Last day to submit final dissertation materials to UConn Health Registrar to meet the UConn Graduate School (Storrs) deadline of Friday, December 15, for conferral of a Fall 2017 degree.

Fri., Dec. 15  Last day to submit final dissertation materials to UConn Graduate School (Storrs) for conferral of a Fall 2017 degree

Sun., Dec. 17  Conferral date for Fall 2017 degrees

Wed., Dec. 20  Deadline for submitting Fall grades
REGISTRATION INFORMATION:

GENERAL INFORMATION

Students enrolled in a degree program must register for course(s) online in the Student Administration System: http://studentadmin.uconn.edu/

- A “Net ID” and Password is required to login to the system (https://netid.uconn.edu/)
- For navigation support within the Student Administration System go to: http://studentadmin.uconn.edu/help/students/

Class Search: Courses indicated with the Subject of GRAD have the campus location of Storrs. All other courses with the Subject of: MEDS, DENT, CLTR or PUBH, have the campus location of UConn Health

Independent Study and Lab Rotations: Students must complete a request form found on the http://studentservices.uchc.edu/registrar/gradschool/index.html to request registration in the course. The form requires additional approval signatures. Completed forms must be submitted to the UConn Health Registrar’s Office, AM 039.

Matriculated Status: Students must register each semester to maintain status as a matriculated student at UConn Health. Students not registered for credit bearing courses must register for one of the four non-credit courses. These include Special Readings at the master’s (GRAD 5998) or doctoral (GRAD 6998) level, Master’s Thesis Preparation (GRAD 5999), and Doctoral Dissertation Preparation (GRAD 6999). Other zero-credit courses may be substituted, if appropriate refer to page(s) 29 & 30 for course descriptions.

REGISTRATION DEADLINES/ PROCESS

- Enrollment: Registration via the Student Administration self service center, is available through the 10th day of class (Monday, September 11th). Specific dates are outlined in the Academic Calendar (see page 3).
- After the tenth day of class, all enrollment adjustments require submission of the approved Schedule Revision Request Form.* A revised plan of study is required for any changes in your enrollment.
  - Adding a Course after the 10th day: Is at the instructor’s discretion. During the third and fourth weeks of the semester a student may add courses by submitting a completed Schedule revision form with permission from the course instructor, advisor and head of the department offering the course.
  - Dropping a Course after the 10th day: Courses dropped after the tenth day will be reflected on a student’s transcript with a “W” grade for “withdrawal”. Dropping a class after the ninth week requires the recommendation of the advisor and permission of the Associate Dean of the Graduate School at UConn Health.

- Auditing a Course: Auditing a class requires permission from both your instructor and your major advisor. The audited class cannot be placed on your plan of study. Complete and submit the Course Audit Request form* to the UConn Health Registrar’s Office by the tenth day of the term. After this time, a class cannot be converted to a grade of AU.
Tuition and Fee Information:

- **Tuition, Fees and Payment Information:** The UConn Bursar's website provides detailed information for current tuition and fee schedules as well as payment options: please visit http://bursar.uconn.edu/

- **Payment Deadline:** Payments are due prior to/or on, the first day of the semester. Failure to receive a bill does not relieve a student of responsibility for payment of fees by the specified due date. Students with outstanding balances on their fee bills will have a “Bursar Hold” placed on their accounts. This hold prevents students from accessing services such as class registration, recreation services, transcripts and other services. If tuition and fees are not paid in full on the published fee bill due date students will incur late fees.

- **Graduate Assistant Tuition Waiver:** If you are appointed on a Graduate Assistantship you are required to enroll in at least 6 credits prior to the first day of classes, once you are enrolled in at least 6 credits your tuition waiver will automatically post. Failure to register for 6 or more credits will jeopardize your graduate assistantship.

- **Third Party Payments:** If you are anticipating your fee bill to be paid by a third party (i.e. government agency or employment agency) it is your responsibility to notify the Graduate School Bursar and provide a financial letter of guarantee for payment.

**Contact Information:** For questions related to billing contact the UConn Health Graduate School Bursar's Office at 860-679-1632
Course Schedule for M.D. /Ph.D. Students

Medical School courses are open to qualified graduate students only

**M1 Students Courses:**
GRAD 6932 (Class # 14680)     Directed Studies for MD/PhD

**M2 Students Courses:**
GRAD 6932 (Class # 14680)     Directed Studies for MD/PhD

**M3 Students Courses:**
MEDS 6411-F40 (Class# 14748)       Clinical Practicum          12 credits

**M4 Students Courses:**
MEDS 6412-F40 (Class# 14749)       Adv. Clinical Practicum       11 credits
Course Schedule for D.M.D. /Ph.D. Students

D1 and D2 Students:
Combined D.M.D. / Ph.D. students entering in the Fall of 2017 will be registered full-time in the School of Dental Medicine. They are required to maintain their status in the Graduate School by registering for Continuous Registration, GRAD 6998 (Refer to page(s) 29 & 30 for course descriptions).

Students have the option of registering for courses for formal credits but are not required to do so. Please contact Dr. Mina Mina for course registration.

D1 Students Course: GRAD 6998-001 - Continuous Registration
Dental School (Class# 3576)

D2 Students Course: GRAD 6998-001 - Continuous Registration
Dental School (Class# 3576)

Third Year:
Ph.D. Program Studies

Fourth Year:
Ph.D. Program Studies

Fifth Year:
Ph.D. Program Studies

D3 Students Course: GRAD 6999-001 - Continuous Registration
Clinical Training (Class# 3577)

D4 Students Course: GRAD 6999-001 - Continuous Registration
Clinical Training (Class# 3577)
<table>
<thead>
<tr>
<th>Day</th>
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<th>Course Code</th>
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<tbody>
<tr>
<td>MONDAY</td>
<td>9:00-10:30 am</td>
<td>MEDS 6448 F40</td>
<td>Foundations of Biomedical Science I</td>
</tr>
<tr>
<td></td>
<td>12:00-1:00 pm</td>
<td>MEDS 6497 F40</td>
<td>MB and B Journal Club</td>
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<tr>
<td></td>
<td>12:00-1:00 pm</td>
<td>MEDS 6497 F41</td>
<td>Cell Biology Journal Club</td>
</tr>
<tr>
<td></td>
<td>12:00-1:00 pm</td>
<td>MEDS 5323 F40</td>
<td>Genetics and Developmental Biology Journal Club</td>
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<tr>
<td></td>
<td>3:00-5:00 pm</td>
<td>MEDS 5309 F40</td>
<td>Molecular Basis of Disease</td>
</tr>
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<td>TUESDAY</td>
<td>9:00-10:30 am</td>
<td>MEDS 5329 F40</td>
<td>Immunobiology I</td>
</tr>
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<td>9:00-10:30 am</td>
<td>MEDS 5330 F40</td>
<td>Immunobiology II</td>
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<tr>
<td></td>
<td>9:30-11:30 am</td>
<td>MEDS 5372 F40</td>
<td>Cellular and Molecular Neuroscience</td>
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<tr>
<td></td>
<td>10:00-11:50 am</td>
<td>MEDS 5325 F40</td>
<td>Computational Genomics Practicum</td>
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<td></td>
<td>11:00-12:00 pm</td>
<td>MEDS 6445 F40</td>
<td>Skeletal Biology</td>
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<tr>
<td></td>
<td>1:30-2:30 pm</td>
<td>MEDS 5351 F40</td>
<td>Biochemistry II</td>
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<tr>
<td></td>
<td>2:30-4:30 pm</td>
<td>MEDS 5335 F40</td>
<td>Advanced Molecular and Cellular Immunology</td>
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<td></td>
<td>3:00-5:00 pm</td>
<td>MEDS 5418 F40</td>
<td>Stem Cell and Regenerative Biology</td>
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<td>5:00-8:00 pm</td>
<td>MEDS/BME 6450 F40</td>
<td>Optical Microscopy &amp; Bio-imaging</td>
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<td>WEDNESDAY</td>
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<td>MEDS 6448 F40</td>
<td>Foundations of Biomedical Science I</td>
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<td>MEDS 6497 F44</td>
<td>Neuroscience Journal Club</td>
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<td>12:00-1:30 pm</td>
<td>MEDS 6497 F43</td>
<td>Immunology Journal Club</td>
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<td>4:00-7:00 pm</td>
<td>MEDS 6455 F40</td>
<td>Intro to Systems Biology</td>
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<td>MEDS 5329 F40</td>
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<td>MEDS 5372 F40</td>
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<td>11:00-12:00 pm</td>
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<td>2:30-4:30 pm</td>
<td>MEDS 5335 F40</td>
<td>Advanced Molecular and Cellular Immunology</td>
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<td>3:00-5:00 pm</td>
<td>MEDS 5384 F40</td>
<td>Brain Microcircuits</td>
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<td>FRIDAY</td>
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<td>MEDS 6448 F40</td>
<td>Foundations of Biomedical Science I</td>
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<td>12:00-1:00 pm</td>
<td>MEDS 6497 F42</td>
<td>Skeletal Biology and Regeneration Journal Club</td>
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<td>12:00-1:00 pm</td>
<td>MEDS 6497 F45</td>
<td>Cell Analysis &amp; Modeling Journal Club</td>
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<td>1:30-2:30 pm</td>
<td>MEDS 5351 F40</td>
<td>Biochemistry II</td>
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<td>3:00-5:00 pm</td>
<td>MEDS 5418 F40</td>
<td>Stem Cell and Regenerative Biology</td>
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Biomedical Science Ph.D. Courses:

MEDS 5309-F40  Molecular Basis of Disease  2cr.
(Class# 14724)
The Molecular Basis of Disease is designed for first year MD/PhD students and first and second year PhD
students. There are no formal requirements. This course investigates the molecular basis of a broad range of
human diseases, starting with fundamental biological concepts and covering current controversies in disease
mechanisms. The format is lecture, discussion, and group debate. The final exam is a news and views topic paper
on one of the diseases covered in the course.

Instructor: K. Dodge-Kafka  860-679-2452  dodge@uchc.edu
Dates: 08/28/17-12/11/17
Day/Time: Mondays 3:00 pm – 5:00 pm
Location: E-2036

MEDS 5323-F40  Genetics and Developmental Biology Journal Club  1cr.
(Class#14725)
The GDB AoC prides itself on a student-centered format for the weekly Journal Club, with active participation by all
members of the group. The GDB JC meets Mondays at 12 noon during the academic year. Reading and discussion of
current research in the field of genetics, genome and developmental biology. Each student who is a member of the
AoC or is rotating during the first spring semester will be scheduled for one journal club presentation.
Grading: Grades are based on attendance, class participation and paper presentation.

Instructor: B. Rogina  860-679-8771  rogina@uchc.edu
Dates: 8/28/17-12/11/17
Day/Time: Mondays, 12:00 pm – 1:00 pm
Location: R 1401(400 Farmington Ave) Demo Room

MEDS 5325-F40  Computational Genomics Practicum  2 cr.
(Class#14793)
A practical introduction to computational genomics focusing on methods for processing/analyzing
Next Generation Sequencing (NGS) data. Programming: Introduction to the Linux command line,
elements R programming. Genomics software tools for performing sequence read-alignments,
transcript-expression profiling, and robust procedures for gauging differential gene expression.
Methods for genome assembly, genome variation detection, motif-finding, and data-visualization.
Statistical topics include: probability distributions, central limit theorem, hypothesis testing,
linear models, and dimensionality reduction.

Instructor: M. Duff  860-970-2283  moduff@gmail.com
Dates: 9/5/17-12/12/17
Day/Time: Tuesdays, 10:00 am – 11:50 am
Location: R 1390(400 Farmington Ave)

MEDS 5329-F40  Immunobiology I  2cr.
(Class#14726)
An overview of basic concepts in immunology including the development and function of cells that comprise both
the innate and adaptive arms of the immune system.
**MEDS 5329-F40 (IMB-I) is followed by MEDS 5330-F40 (IMB-II). Both courses are required for acceptance to
the Immunology graduate program. Students must register for IMB-I and IMB-II separately.**

Instructor: V. Rathinam  860-679-8044  rathinam@uchc.edu
Dates: 8/29/17-10/26/17
Day/Time: Tuesdays, 9:00 am – 10:30 am
Thursdays, 9:00 am – 10:30 am
Location: EG052
## MEDS 5330-F40  Immunobiology II  2 cr.

**Class# 14727**

This course is a continuation of MEDS 5329. Material covered will include immune responses to tumors, infectious disease, organ transplants and vaccination, as well as the underlying mechanisms of hypersensitivity and autoimmunity. Both courses are required for acceptance to the Immunology graduate program.

**Prerequisite:** MEDS 5329-F40 or equivalent.

<table>
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<tr>
<th>Instructor:</th>
<th>V. Rathinam</th>
<th>860-679-8044</th>
<th><a href="mailto:rathinam@uchc.edu">rathinam@uchc.edu</a></th>
</tr>
</thead>
<tbody>
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| Day/Time:   | Tuesdays, 9:00 am-10:30 am  
|             |    Thursdays, 9:00 am-10:30 am |
| Location:   | EG052 |

## MEDS 5335-F40  Advanced Molecular and Cellular Immunology  4 cr.

**Class# 14728**

Advanced publications from peer reviewed journals will be used for in-depth group discussion of a diverse range of topics within the field of Immunology. Emphasis will include relevance to human health and translational science.

Students should have completed Immunobiology I and Immunobiology II before taking this course. These requirements may be waived by the course director on a case-by-case basis. Please notify the instructor upon registering for the course.

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>H. Leonardo Aguila</th>
<th>860-679-6758</th>
<th><a href="mailto:aguila@uchc.edu">aguila@uchc.edu</a></th>
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<tbody>
<tr>
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## MEDS 5351-F40  Biochemistry II (Biophysical Methods)  3 cr.

**Class# 14729**

Modern biochemistry utilizes a wide range of powerful and sophisticated methods to analyze the properties and interactions of biological molecules *in vitro* and *in vivo*. Biochemistry II is a 3-credit course that revisits fundamental aspects of biochemistry from the perspective of modern methodological approaches. The course meets twice a week. A major component of the course is a student-selected project. Active participation in class discussions is expected.

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>J. Hoch</th>
<th>860-679-3566</th>
<th><a href="mailto:Hoch@Uchc.edu">Hoch@Uchc.edu</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates:</td>
<td>9/5/17-12/8/17</td>
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</table>
| Day/Time:   | Tuesdays, 1:30 pm-2:30 pm  
|             | Friday, 1:30 pm-2:30 pm |
| Location:   | L-2009  |

## MEDS 5372-F40  Cellular & Molecular Neuroscience  3 cr.

**Class# 14730**

This one-semester course is organized in the form of (1) seminars, (2) paper discussions, and (3) laboratory exercises using computer simulations. The first part (Cellular and Molecular Neuroscience) provides an introduction to basic concepts in the study of neurophysiology and molecular neurobiology, such as neurotransmitter synthesis and release, electrical and calcium signaling, cellular basis of memory formation and neurological disease. The second part (Developmental Neurobiology) investigates the principles and mechanisms that guide the formation of the nervous system from stem cells to the complex multicellular arrays needed for function. Topics include neural induction and directed migration; genetic and molecular regulation of lineage decisions leading to neurons or glia, etc.

**Prerequisite:** College-level biology
Brain Microcircuits is a course for graduate students who wish to undertake a detailed analysis of the neuronal and synaptic organization of the central nervous system. The focus of the course is the brain microcircuitry as seen in invertebrates and vertebrate species, the cellular organization of the brain, and mechanisms that govern the activity of networks of neurons. Students will learn about the relationship of structure to function and discuss the neurons and organizations that create specific brain regions with specialized functions. The emphasis will be on the nervous system in species for neuroscience research. The course assumes some prior exposure to neuroscience. The course is conducted in informal, small-group sessions and is designed for graduate students and upper level undergraduates who are engaged in research. Each week all students are assigned an original research article or a chapter in the text to present. Grades are based on classroom discussion and a final term paper.

Prerequisite: All students are expected to have some familiarity with neuroscience from previous courses. Graduate Students: An introductory neuroscience course is preferred, (e.g. PNB 5301, MEDS 5372, MEDS 5371). Permission of instructor is required for BME 6086. Undergraduates: Instructor consent for MEDS 5384 is required.

Instructor: A. Das 860-679-3405 adas@uchc.edu
Dates: 9/5/17-12/12/17
Day/Time: Tuesdays, 3:00 pm- 5:00 pm
Fridays, 3:00 pm- 5:00 pm
Location: TBD

MEDS 6445- F40 (Class# 14916)
Skeletal Biology 2 cr
Skeletal Biology is a combination lecture and literature discussion course with a focus on the appendicular skeleton in development, bone homeostasis, disease and repair. Topics include limb skeletal patterning.
endochondral ossification, genetic disorders of bone and cartilage, molecular and hormonal control of bone remodeling, mechanical stress and fracture, osteoimmunology, osteoarthritis, and bone and cartilage tissue engineering. The course introduction and the weekly lectures will include broad background material. In addition, we will go in depth into topics where UConn Health faculty has active research programs.

Instructor: Sun-Keong Lee  
Dates: 8/28/17-12/17-17  
Day & Time: Tuesday 11:00 a.m.-12:00 p.m.  
Thursday 11:00 a.m.-12:00 p.m.  
Location: EG052  
MEDS 6448-F40  Foundations of Biomedical Science I  4 cr (Class# 14734)  
Due to the diverse background of our entering first-year students and the recognized importance that each student should enter their thesis research years with a solid foundation of biomedical knowledge, this course has been designed to encompass topics considered fundamental to any student pursuing a Ph.D. in any Area of Concentration in the Biomedical Science Graduate Program. The course will combine an introduction to fundamental concepts along with a more in-depth analysis of the research that underlies some of these ideas. A variety of topics will be examined in approximately one-week modules that will include a basic, introductory one hour lecture on Mondays, a more in-depth discussion of one to two critical historical papers on an aspect of the topic on Wednesdays and then a small group discussion on a more modern paper related to the area on Fridays. Periodically, the course will include Consolidation weeks that discuss key methodologies in the context of new concepts or concepts previously discussed. The course is designed to be taken in conjunction with its partner course Foundations of Biomedical Science II in the spring.

Instructor: S. Chamberlain  
A. Cowan  
C. Heinen  
Dates: 8/29/17-12/16/17  
Day/Time: Monday/Wednesday/Friday 9:00 am-10:30 am  
Location: A1 Academic Rotunda  
MEDS 6450-F40 (Class# 14542) Optical Microscopy & Bio-Imaging  3 cr. BME 6450-001 (Class# 4942)  
This course will cover several aspects of state of the art biological and biophysical imaging. We will begin with an overview of geometrical optics and optical and fluorescence microscopy, with an emphasis on instrumentation. The bulk of the course will focus on advanced imaging techniques including nonlinear optical processes (multiphoton excitation, second harmonic generation, and stimulated Raman processes), as well as laser tweezers and single molecule microscopy. Special emphasis will be given to current imaging literature and experimental design.

Instructor: J. Yu  
Dates: 8/29/17-12/12/17  
Day/Time: Tuesday, 5:00 pm – 8:00 pm  
Location: R-1609 (400 Farmington Ave)  
MEDS 6455-F40 (Class# 14736) Introduction to Systems Biology  3 cr. BME 6086-11 (Class# 14780)  
A biology world as seen by engineers, physicists, mathematicians and computer scientists. The goal is to provide the necessary background to read modeling papers, choose Systems Biology resources that will help in biological projects, and be able to select a modeling technique appropriate for a given biological project.
Contents: Predictive mathematical models and their dynamical behavior; Stability, switching and stochasticity of a biological system; Resources needed to start building a model; Models exchange, simulation and visualization; Public databases and software tools available for a modeler.

Instructor: M. Blinov 860-679-6081 blinov@uchc.edu
           I. Moraru  860-679-2908 moraru@uchc.edu

Dates: 8/30/17-12/13/17
Day/Time: Wednesday, 4:00 pm – 7:00 pm
Location: R 1673 (400 Farmington Ave)

MEDS 6497-F40 Molecular Biology & Biochemistry Journal Club 1 cr.
(Class# 14739)
Students will learn how to critically read papers and present scientific information clearly and succinctly to an interested audience. Students will also learn to participate in scientific discussion as active members of a scientific community.

Instructor: K. Dodge-Kafka 860-679-2452 dodge@uchc.edu

Dates: 9/11/17-12/11/17
Day/Time: Monday, 12:00 pm-1:00 pm
Location: E-2036

MEDS 6497-F41 Cell Biology Journal Club 1cr.
(Class# 14740)
Students are expected to learn the art of scientific presentation, by transforming from being a student to becoming a teacher in a friendly environment. Fellow students and participating faculty will help your transformation by demonstrating how interesting papers of students’ choice are selected, how to organize the presentation, and how to answer questions from the audience. Special emphasis is encouraged to pick papers relevant to current research in the field of cell biology. Typical presentation may come from many fields including immunology, neuroscience, cancer biology, basic cell and molecular biology, systems biology, genomics, and informatics. Students are expected to participate in periodic presentation of research papers and active discussion. All students who are in the Cell Biology area of concentration are required to enroll in the Journal Club until the final date for thesis defense is set.

Instructor: David Han 860-679-2444 han@uchc.edu
           Guo-Hua Fong, fong@uchc.edu

Dates: 9/3/17-12/11/17
Day/Time: Monday, 12:00 pm - 1:00 pm
Location: E-5036

MEDS 6497-F42 Skeletal Biology and Regeneration Journal Club 1 cr.
(Class# 14741)
This is a journal club devoted to the area of skeletal and craniofacial biology in development, disease, and regenerative medicine. This class is open to any graduate student, and is a required course for students in the Skeletal, Craniofacial and Oral Biology concentration. Weekly presentations are given of either a current literature paper, or for more advanced students, the student’s own graduate research. The class is attended by interested faculty, postdoctoral fellows and staff. Following the presentation and questions, the student is given the opportunity to hear specific comments regarding areas of strengths and areas for potential improvement from the faculty. This course provides an opportunity for a student to develop skills in assimilating and presenting current literature, or their own work, in a seminar setting, and to friendly critical input from faculty and colleagues. Research presentations from SCOB faculty and postdoctoral fellows as well as invited speakers are also incorporated into the Journal Club schedule when possible. This provides an opportunity for participants to become aware of the types of research ongoing within the Skeletal, Craniofacial, and Oral Biology program, and
facilitates interactions among individuals in various research programs. Suggested topic areas for SCOB Journal Club are: cartilage and bone biology; skeletal tissue regeneration; limb and craniofacial development; growth factors and signaling in skeletal tissue; oral-skeletal genetics and disease; biomaterials in skeletal tissue repair.

Instructor: A. Sanjay 860-679-4649  asanjay@uchc.edu
Dates: 8/28/17-12/17/17
Day/Time: Friday, 12:00 pm - 1:00pm
Location: EM029

M Edwards 6497-F43  Immunology Journal Club  1 cr.
(Class# 14742)
The Immunology Journal Club represents weekly sessions that are an important part of the Immunology Training Program. Students, in consultation and with guidance from faculties and the Director of the IJC, select a current research article that has made a significant contribution to the field, and present appropriate background related to the paper, introduction, methods, experimental results (the figures included in the article itself) and discussion. The articles selected by the students have to be approved by the course director. The student leads the discussion of the paper and receives feedback from the faculty, students and post docs that attend the journal club. The integral part of the presentation is to highlight overall significance of the paper for basic science and give clinical and translational relevance, indicate strengths and weaknesses and give a prospective to the field. Presentations are evaluated by two faculty and two student referees who provide presenters with written evaluation forms that reflect strengths and weaknesses and suggestions to improve. The journal club offers a valuable opportunity for the students to learn about the state of the current research and provides an invaluable setting for the exchange of scientific ideas.

Instructor: Kepeng Wang  860-679-8481  kewang@uchc.edu
Dates: 8/28/17-12/15/17
Day/Time: Wednesday, 12:00 pm - 1:30 pm
Location: L-3094

M Edwards 6497-F44  Neuroscience Journal Club  1 cr.
(Class# 14743)
Registration is required each semester for the duration of the dissertation research. The student upon receiving formal approval from their thesis committee in the final semester of dissertation research can request to be excused from this requirement.

Instructor: Rosario Guzzo  860-679-6655  guzzo@uchc.edu
Instructor: Richard E Mains  860-679-8894  mains@uchc.edu
Dates: 9/6/17-12/17/17
Day/Time: Wednesday, 12:00 pm – 1:00 pm
Location: E-4036

M Edwards 6497-F45  Cell Analysis and Modeling Journal Club  1 cr.
(Class# 14744)
Reading and discussion of current research at the interface of physical and cell biological sciences with emphasis on molecular aspects, including modeling, imaging, computational and systems biology. Papers are presented by CAM students, postdocs and faculty.

Instructor: M. Blinov  860-679-6081  blinov@uchc.edu
Dates: 9/1/17-12/15/17
Day/Time: Friday, 12:00 pm-1:00 pm
Location: Demo Room, R1401, 400 Farmington Avenue
<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MEDS 6496</td>
<td>Laboratory Rotation</td>
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</table>

You must complete and submit the Laboratory Rotation Registration form to the Office of the Registrar, AM-039 to register for this course.  
[http://studentservices.uchc.edu/registrar/gradschool/forms/form_labrotation.pdf](http://studentservices.uchc.edu/registrar/gradschool/forms/form_labrotation.pdf)

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<tbody>
<tr>
<td>MEDS 6495</td>
<td>Independent Study</td>
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</tbody>
</table>

You must complete the Independent Study Registration form and submit to the Office of the Registrar AM-039 to register for this course:  
[http://studentservices.uchc.edu/registrar/gradschool/forms/form_indstudy.pdf](http://studentservices.uchc.edu/registrar/gradschool/forms/form_indstudy.pdf)

A reading course for those wishing to pursue special topics in the biomedical sciences under faculty supervision.  
**Consent of instructor required.**
Clinical and Translational Research Science – Daily Course Schedule

TUESDAY
4:00 p.m. -7:00 p.m.    CLTR   5359  F40    Translational Research III

WEDNESDAY
4:00 p.m. – 7:00 p.m.    CLTR   5357 F40    Translational Research I

MASTER OF CLINICAL AND TRANSLATIONAL RESEARCH COURSES:

CLTR 5357-F40    Translational Research I    3cr.
(Class# 14721)
This is the first core course in research methods in clinical and translational research. The course covers observational studies, case control and nonrandomized designs, survey research, experimental intervention studies, exposure, and genetic studies. Also covered are: Issues in human subjects research, research ethics, participant recruitment and retention, computerized data management, grant writing and searching the literature. (Open to students in the Master of Science program in Clinical and Translational Research only). Permission number is required.

Instructor: Howard Tennen                 860-679-5466               tennen@uchc.edu
Dates:                Wednesdays 4:00 pm-7:00 pm
Day/Time:       8/30/17 – 12/13/17
Location:          ARB-E4036 (UConn Health) Neuroscience Conference Room

CLTR 5359-F40    Translational Research III    3cr.
(Class# 14722)
This is the third core course in Research Methods, Biostatistics and Topics in Clinical and Translational Research. The course includes information on the FDA, Instrument Development, and Secondary Data Analysis. Other topics include writing and presenting scientific information. (Open to students in the Master of Science program in Clinical and Translational Research only). Permission number is required.

Instructor: Richard Stevens                  860-679-5475                          bugs@uchc.edu
Dates:                8/29/17-12/12/17
Day/Time:       Tuesdays, 4:00 pm-7:00 pm
Location:          ARB-E4036 (UConn Health) Neuroscience Conference Room

CLTR 5407-F40        Clinical and Translational Research Practicum           Variable cr. 1-12
(Class# 14723)
This course seeks to provide practical training in the formulation and conduct of clinical and translational research. Specific aspects that will be covered during the 9-12 total hours of the practicum will be: the identification of a specific research question and its specification as one or more aims, review of the relevant literature, and specification of the methods to be employed in the conduct of the study, including experience in recruitment and retention of subjects, an IRB application and HIPAA documents preparation. The student will initiate a research project and participate in data collection and analysis, culminating in a report of the findings. These activities will be monitored and mentored by a research advisor who is a member of the Graduate Faculty. (Open to students in the Master of Science program in Clinical and Translational Research only). Permission number is required.

Instructor: Howard Tennen
Dates:                 8/28/17-12/17/17
Day/Time:               TBD
Location:               TBD
MASTER OF DENTAL SCIENCE- Daily Course Schedule:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>Monday</td>
<td>7:30 am – 9 am</td>
<td>DENT 5438</td>
<td>Craniofacial Growth and Development</td>
</tr>
<tr>
<td></td>
<td>5:15 pm-7:15 pm</td>
<td>DENT 5437</td>
<td>Principles of Oral Microbiology &amp; Infections</td>
</tr>
<tr>
<td>Tuesday</td>
<td>8 am – 9:30 am</td>
<td>DENT 5435</td>
<td>Pathology</td>
</tr>
<tr>
<td></td>
<td>5:15 pm – 6:45 pm</td>
<td>DENT 5439</td>
<td>Resch Methods in Epidemiology &amp; Behavioral Sciences</td>
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<tr>
<td>Wednesday</td>
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</tr>
<tr>
<td>Thursday</td>
<td>7:00 am – 9 am</td>
<td>DENT 5444</td>
<td>Epidemiology of Oral Diseases</td>
</tr>
<tr>
<td>Friday</td>
<td>7:30 am -9:00 am</td>
<td>DENT 5457</td>
<td>Evidence Based Dentistry</td>
</tr>
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</table>

**By Arrangement with Instructor**
- DENT 5505: Perio-Pathobiology II (Part A)
- DENT 5442: Biomechanics in Dental Science 2
- DENT 5500: Oral Maxillofacial Diagnostic Imaging and Interpretation (Part A)
- DENT 5502: Oral Maxillofacial Diagnostic Imaging and Interpretation (Part C)
- MEDS 6461: Clinical Radiation Sciences: Physics and Biology (Part A)

**Additional Course Offerings**
- DENT 5495: Independent Study in Dental Science
<table>
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<tr>
<td>DENT 5435-F40</td>
<td>General Pathology</td>
<td>2 cr.</td>
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<td>(Class# 14930)</td>
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<tr>
<td>Instructor:</td>
<td>Y. Frontera</td>
<td>860-679-2952</td>
</tr>
<tr>
<td>Dates:</td>
<td>9/5/17 – 12/12/17</td>
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<tr>
<td>Day/Time:</td>
<td>Tuesday, 8 am – 9:30 am</td>
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<tr>
<td>Location:</td>
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</tbody>
</table>

DENT 5437-F40 Principles of Oral Microbiology & Infections 2 cr.
(Class# 14770)

This course provides an overview of microbiology and host-pathogen interactions in relation to oral diseases. Various topics will be covered including basic microbiology and immunology principles. These are intended to provide the students with necessary knowledge to further understand the mechanisms behind a variety of oral-related infectious diseases. The most common infections related to the oral cavity will also be specifically discussed including the microorganisms associated with them, the host responses they engender and the means for their control and destruction.

Instructor: P. Diaz 860-679-3702 pdiaz@uchc.edu
Dates: 8/28/17 – 12/11/17
Day/Time: Monday, 5:15 pm-7:15 pm
Location: L-6053

DENT 5438-F40 Craniofacial Growth and Development 2 cr.
(Class#14932)

Part of a core series in the postgraduate program of orthodontics. Provides systematic coverage of basics in growth and development of the human face. Review and critique of selected articles from the research literature of the following areas: Physiology of facial growth, theories in growth mechanisms, pre- and postnatal growth of the face, normal and abnormal courses of the facial growth.

Instructor: M. Upadhyay 860-679-3729 maupadhyay@uchc.edu
Dates: 8/28/17 – 12/11/17
Day/Time: Monday, 7:30 am – 9 am
Location: Outpatient

DENT 5439-F40 Research Methods in Epidemiology and Behavioral Sciences 1 cr.
(Class# 14933)

This course is intended to provide students with an applied understanding of behavioral science research methods, building off of concepts introduced in Biostatistics D456. Featured topics include: theoretical and methodological issues in research design; data collection strategies, focusing on survey measurement and the design and evaluation of survey questions; population sampling; data entry and variable construction; strategies for analyzing quantitative data, focusing in particular on regression analysis with dichotomous outcomes; and issues in analyzing longitudinal data. Prerequisite: DENT 5456 or equivalent.

Instructor: R. Aseltine 860-679-3282 aseltine@uchc.edu
Dates: 10/10/17 – 11/28/17
Day/Time: Tuesday, 5:15 pm – 6:45 pm
Location: Friends Lecture
### Biomechanics in Dental Science 2

- **Course Code:** DENT 5442-F40  
  **Class# 14771**
- **Description:** History and critical review of orthodontic appliance systems. The relationship between treatment planning and therapy is explored. Detailed biomechanical analysis of appliance therapy. Lectures, seminars and demonstrations.
- **Prerequisite:** DENT 5441
- **Instructor:** R. Nanda  
  **Phone:** 860-679-2349  
  **Email:** nanda@uchc.edu

### Epidemiology of Oral Diseases: Interpreting the Literature

- **Course Code:** DENT 5444-F40  
  **Class# 14772**
- **Description:** The goal of this course is to provide the student with a basic understanding of epidemiologic principles to enable the critical review of the literature and to provide a methodological framework with which to better understand basic statistics. An overview of the specific epidemiology of oral diseases will be provided. Enrollment limit: 12
- **Instructor:** D. Pendrys  
  **Phone:** 860-679-3820  
  **Email:** pendrys@uchc.edu

### Evidence Based Dentistry

- **Course Code:** DENT 5457-F40  
  **Class# 14774**
- **Description:** The goal of this course is to provide the dental resident with the information necessary to (1) de-mystify the methods typically used under the heading of evidence based dentistry and (2) to be able to critically assess those methods, so as to best be empowered to integrate evidence based information into their day to day practices.
- **Instructor:** D. Pendrys  
  **Phone:** 860-679-3820  
  **Email:** pendrys@uchc.edu

### Oral Maxillofacial Diagnostic Imaging & Interpretation (Part A)

- **Course Code:** DENT 5500-F40  
  **Class# 14775**
- **Description:** Seminar course examining interpretation of images produced by various techniques used in diagnosis of diseases involving the oral maxillofacial complex.
- **Instructor:** A. Lurie  
  **Phone:** 860-679-4049  
  **Email:** lurie@uchc.edu

### Oral and Maxillofacial Diagnostic Imaging and Interpretation Part C

- **Course Code:** DENT 5502-F40  
  **Class # 14776**
- **Description:** The third and final part of a 3-part seminar course examining the interpretation of images produced by various techniques used in the diagnosis of diseases involving the oral maxillofacial complex. Part C addresses the appearances on dentomaxillofacial imaging of genetic and acquired abnormalities, systemic diseases, temporomandibular joint disorders, salivary gland disorders and dentomaxillofacial trauma.
- **Instructor:** A. Lurie
- **Dates:** By arrangement
- **Day & Time:** By arrangement
DENT 5505-F40  Perio-Pathobiology II (Part A)  1 cr.
(Class# 14929)
The Periodontal Pathobiology II A course will allow Periodontology residents to develop an in-depth knowledge of the periodontal literature as it relates to research and clinical practice. It will give evidential support to all clinical procedures performed. The course will be taught in a seminar format with all graduate faculty members participating as discussion leaders. Graduate faculty will present and discuss topics in their areas of expertise. Residents will be assigned articles related to the topic of discussion that need to be reviewed each week prior to the scheduled seminar. The assigned literature will be reviewed from a historical perspective with recent updates included as necessary (a separate current literature review will run concurrently). This course will not only allow residents to develop critical reading and thinking abilities but also aid in developing verbal communication skills and confidence.

Instructor: S. Thacker
Dates: By arrangement
Day & Time: By arrangement
Location: By arrangement

MEDS 6461-F40  Clinical Radiation Sciences:  Physics and Biology (Part A)  2 cr.
(Class# 15094)
Instructor: A. Lurie  860-679-4049  lurie@uchc.edu
Dates: By arrangement
Day & Time: By arrangement
Location: By arrangement

DENT 6000-F40  Practicum—Full time Residency  0 cr.
(Class# 14778)
Enrollment restricted to students enrolled in the Master of Dental Science who is registered full-time for clinical work.

DENT 5495  Independent Study  Variable cr.: 1-6
Independent Study (MSDS or PhD Students only)
A reading course for those wishing to pursue special topics in dental Science under faculty supervision
### MASTER OF PUBLIC HEALTH - DAILY COURSE SCHEDULE:

<table>
<thead>
<tr>
<th>Day</th>
<th>Course Number</th>
<th>Course</th>
<th>Location</th>
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<tbody>
<tr>
<td><strong>MONDAY</strong></td>
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<tr>
<td></td>
<td>PUBH 5431-F40</td>
<td>Public Health Research Methods</td>
<td>Farmington</td>
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<tr>
<td></td>
<td>PUBH 5497-F42</td>
<td>Questionnaire Design and Data Analysis</td>
<td>Farmington</td>
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<tr>
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<td>PUBH 5497-F43</td>
<td>Environmental Impacts on Children's Health</td>
<td>Farmington</td>
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<td></td>
<td>PUBH 5497–F44</td>
<td>Introduction to Community Hlth. Issues</td>
<td>Hartford</td>
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<tr>
<td><strong>TUESDAY</strong></td>
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<td></td>
<td>PUBH 5403-F40</td>
<td>Health Administration</td>
<td>Farmington</td>
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<tr>
<td></td>
<td>PUBH 5477–F40</td>
<td>Food, Health and Politics</td>
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<td>PUBH 5497–F41</td>
<td>Infectious Disease Epidemiol</td>
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<td>PUBH 5497–F47</td>
<td>Reproduction Ethics, Rights &amp; Pol</td>
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<td><strong>WEDNESDAY</strong></td>
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<td></td>
<td>PUBH 5406-F40</td>
<td>Law &amp; Public Health</td>
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<tr>
<td></td>
<td>PUBH 5432-F40</td>
<td>SAS Programming and Data Mgmt</td>
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<td>PUBH 5497-F42</td>
<td>Child Hlth, Child Develop &amp; PP</td>
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<td>PUBH 5440-F40</td>
<td>Pub Health Issues in Genetics</td>
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<td><strong>THURSDAY</strong></td>
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<td>PUBH 5408-F40</td>
<td>Epidemiology/Biostatistics I</td>
<td>Farmington</td>
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<td>PUBH 5440-F40</td>
<td>Public Health Issues in Genetics</td>
<td>Farmington</td>
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<td>PUBH 5434-F40</td>
<td>Topics in Intermediate Biostatistics</td>
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<td>PUBH 5452-F40</td>
<td>Injury &amp; Violence Prevention</td>
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<td>PUBH 5497-F40</td>
<td>Intro Ergonomic &amp; Expos Assess</td>
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<td>PUBH 5501-F40</td>
<td>Foundations of Public Health &amp; Disability</td>
<td>Online</td>
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<td>PUBH 5503-F40</td>
<td>Disability Law, Policy, Ethics &amp; Advocacy</td>
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<td>PUBH 5497- F45</td>
<td>Epi of Substance Use Disorders</td>
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<td>PUBH 5497 –F46</td>
<td>CSS Sys Res in Alcohol &amp; Addiction</td>
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<td>PUBH 5407- F40</td>
<td>Practicum in Public Health</td>
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<td>Independent Study</td>
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<td>PUBH 5498</td>
<td>Field Exp in Pub Health Systems</td>
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<td></td>
<td>PUBH 5499</td>
<td>Capstone</td>
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### PUBLIC HEALTH COURSES:

**PUBH 5403- F40**  
Health Administration  
3 cr.  
(Class# 14752)  
Storrs: Section 001, Class 15052  
Examination of past, present, and proposed approaches to the organization and management of health care services. Emphasis is on the role and functioning of the manager and the evolution of health care policy and trends as they affect managerial roles. **Permission numbers required from MPH Office.** **Enrollment Limit: 40**

Instructor: TBD  
Dates: 8/29/17 - 12/12/17  
Day/Time: Tuesdays, 5:30 pm - 8:30 pm  
Location: Farmington: Rotunda; Storrs: Rowe rm. 320

**PUBH 5406-F40**  
Law and Public Health  
3 cr.  
(Class #14753)  
Storrs: Section 001, Class 15053  
An introduction to the American legal system as it relates to health care and public health. Sessions present important applications of law to health including the powers of state governments, public health at the federal level, hospital, physician and HMO liability, emergency care and medical research, mental health law, reproductive health and the right to privacy, the right to refuse treatment and end of life issues, privacy and confidentiality in health care, infectious disease law and disability discrimination, and public health policy and advocacy. **Permission numbers required from MPH Office.** Non-degree students may request permission to enroll through the MPH Program Office. **Enrollment limit: 50**

Instructor: Zita Lazzarini  
860-679-5494  
lazzarini@uchc.edu  
Dates: 8/30/17 - 12/13/17,  
Day/Time: Wednesdays, 5:30 pm - 8:30 pm  
Location: Farmington, Rotunda; Storrs: Info Tech Eng. Rm 336

**PUBH 5407-F40**  
Practicum in Public Health  
3 cr.  
(Class# 14754)  
Under faculty guidance, students undertake an organized set of activities that responds to an identified need of a public health agency or health-related organization. The activities may involve the policy development, planning, implementation, administration or evaluation of public health services, or a combination of such activities. Students should be appropriately advanced before initiating the practicum. **Permission numbers required from MPH Office.**

Instructor: Amanda Durante  
Date/Time: by arrangement

**PUBH 5408-F40**  
Introduction to Epidemiology & Biostatistics I  
3 cr.  
(Class# 14755)  
Storrs: Section 001 Class 15054  
This is the first of a two-course sequence introducing students to concepts and methods of epidemiology, biostatistics and public health research. Topics include nature of variability, common probability distribution causal reasoning, control of bias and confounding, descriptive and analytic design of observational and experimental studies, principles of disease screening and clinical efficacy. **Enrollment is limited to first-year MPH students only; others and Public Health Certificate Program students may request permission to enroll through the MPH Program Office.**

Instructor: Scott Wetstone  
860-679-4440  
wetstone@uchc.edu  
Dates: 8/31/17 - 12/14/17  
Day/Time: Thursdays, 6:00 pm - 9:00 pm  
### PUBH 5431-F40  
**Public Health Research Methods**  
(Class# 14756)  
Introduction to conceptualization, methods, and analysis in public health research including: formulation of research questions and hypotheses, development of research and analytic models, use of qualitative (interviewing and observation) and quantitative (secondary and survey data) data collection methods, and qualitative and quantitative data analysis leading to the formulation of research projects.  
**Permission numbers required from MPH office. Enrollment limit: 35**

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Bonnie McRee</th>
<th>860-679-5485</th>
<th><a href="mailto:mcree@uchc.edu">mcree@uchc.edu</a></th>
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<tbody>
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### PUBH 5432-F40  
**SAS Programming and Data Management**  
(Class #14757)  
Focuses on SAS programming to introduce the most commonly used features of the language, including data definition, modification and organization; data manipulation and selection; data display and basic data analysis using descriptive statistics. Students also learn to create datasets using data entry or importing from other programs. Examples are based on public health data. This elective addresses Public Health Assessment.  
**Enrollment limit: 15**

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Deborah Paturzo</th>
<th>860-679-5478</th>
<th><a href="mailto:paturzo@uchc.edu">paturzo@uchc.edu</a></th>
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<td>Day &amp; Time:</td>
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### PUBH 5434-F40  
**Topics in Intermediate Biostatistics**  
(Class# 14758)  
An introduction to the interplay of experimental design and data analysis. Begins with a review of statistical estimation and testing. Topics include analysis of variance, linear regression, and power analysis. Applications are emphasized through the demonstration and use of statistical software.  
This elective addresses Public Health Assessment.  
**Permission numbers required from MPH office. Enrollment Limit: 18**

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Joe Burleson</th>
<th>860-679-5483</th>
<th><a href="mailto:burleson@uchc.edu">burleson@uchc.edu</a></th>
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### PUBH 5440-F40  
**Public Health Issues in Genetics**  
(Class# 14759)  
The Human Genome Project and other research initiatives are providing us with new opportunities to screen, diagnose and provide novel interventions for a range of diseases. The goal of this course is to provide public health practitioners and epidemiologists with an understanding of: inheritance patterns; range of the strength of genetic effects; gene-environment interaction; epidemiologic study designs and limitations; policy statements and practice guidelines; ethical, legal and social issues (ELSI); historical background; and basic genetic terminology and technology.  
This elective addresses Public Health Assessment.  
**Enrollment Limit: 18**

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Helen Swede</th>
<th>860-679-5568</th>
<th><a href="mailto:swede@uchc.edu">swede@uchc.edu</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates:</td>
<td>8/30/17 – 12/13/17</td>
<td></td>
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<tr>
<td>Day/Time:</td>
<td>Wednesday, 5:30 pm – 8:30 pm</td>
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<tr>
<td>Location:</td>
<td>Farmington, Rm. A1</td>
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</table>
This course explores the complex factors that influence how our food is grown, what foods are available, affordable and advertised, and the ensuing public health implications. We will examine the history of food production in America, the development of public and private food assistance programs, the fast food movement, and food marketing. Students will explore the political, social, economic and environmental factors that impact food availability and consumption, and discuss the implications of these factors on health outcomes, such as obesity, hunger, chronic diseases, and health disparities. Students will gain an understanding of the role the food industry plays on food choices, and the role of government policies to promote food security and public health.

This elective addresses Public Health Policy Development. Enrollment limit: 20

Instructor: Angela Bermudez-Millan 860-679-8137 bermudez-millan@uchc.edu
Dates: 8/29/17 - 12/12/17
Day/Time: Tuesdays, 6:00 pm - 9:00 pm
Location: Farmington, Rm. A1

Injury and Violence Prevention

Injury and violence are major preventable public health problems with predictable patterns. The purpose of this course is to familiarize the student with the epidemiological literature of intentional and unintentional injuries. The course is designed to focus on the knowledge and skills required to design, implement, and evaluate scientifically sound community injury prevention and control programs. This elective addresses Public Health Assessment.

Instructor: Garry Lapidus 860-545-9982 glapidu@ccmckids.org
Dates: 8/31/17 - 12/14/17
Day/Time: Thursday, 2:00 - 5:00 PM
Location: Farmington, Rm. A1

The course develops a broad understanding of ergonomic risk factors, knowledge of the measurement modalities available for characterizing workplace risk, and an appreciation of the advantages and disadvantages of each modality. Students are instructed in the use of laboratory techniques (EMG, videotaping and digitization, digital motion capture, force cells, accelerometry and exercise physiology). They also are introduced to field methods used in ergonomic work-site assessment, ranging from simple check-lists (geared towards worker-based interventions), through detailed time/motion studies, self-report effort scales, epidemiological instruments, and psychosocial and organizational measurement tools. This elective addresses Public Health Assurance.

Instructor: Jennifer Garza 860-679-5418 garza@uchc.edu
Dates: 8/31/17 - 12/14/17
Day/Time: Thursdays, 6:00 pm to 9 pm
Location: Farmington, Rm. A8

This course will provide an overview of infectious disease epidemiology that is structured in two parts. The first part of the course will focus on the concepts, measures and data sources specific to infectious disease epidemiology. Methods of infection control will also be considered during this part of the course. The second part of the course will address specific infectious disease epidemiology challenges including the Ebola outbreak in West Africa and the USA response to it, the introduction of Zika virus into the Americas and the ongoing campaign to
eradication polio. The second part of the course is intended to allow the student the opportunity to apply the skills and knowledge learned during the first part of the course.

**This elective addresses Public Health Assessment.**

**Instructor:** Amanda Durante  
**Dates:** 8/29/17 – 12/12/17  
**Day/Time:** Tuesday, 2:00 pm – 5:00 pm  
**Location:** Farmington, A1

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**PUBH 5497 F42**  
**Child Health, Child Development and Public Policy**  
**Class # 14766**  
The explosion in knowledge of early brain development, child development, and the biology of adversity has profound implications for the transformation of child health services and health policy. A critical review of the current content of child health services will assess its efficacy in developmental promotion. Promising new strategies will be explored. Key frameworks, theories, and concepts within the child health and development policy sphere will be examined through a case-based approach. The story of Help Me Grow, with its focus on early detection and intervention for vulnerable children at risk for adverse developmental and behavioral outcomes, will be shared from initial idea formulation in Hartford to its current replication in more than 20 states. Students will apply public policy concepts to propose an innovation that promotes young children’s healthy development.

Readings include research articles, professional and popular texts, issue briefs, and policy statements. This elective addresses Public Health Policy Development.

**Instructor:** Paul Dworkin  
**Dates:** 8/30/17 - 12/13/17  
**Day/Time:** Wednesdays, 5:30 pm to 8:30 pm  
**Location:** Farmington, A8

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**PUBH 5497-F43**  
**Environmental Impacts on Children’s Health**  
**(Class# 14767)**  
Young children are uniquely vulnerable to the direct and indirect impacts of a harmful environment, leading to a number of acute and chronic diseases, such as lead poisoning, asthma, leukemia, autism, attention deficit syndrome and other neurobehavioral disorders. In many regions of the globe, acute respiratory diseases, diarrhea and vector-borne illnesses account annually for millions of deaths of children below five years from exposure to polluted air, contaminated water and lack of sanitary facilities. The goals of this course are: (a) to understand underlying environmental factors and biological mechanisms that affect children's health during their pre- and post-natal developmental stages, (b) to provide a regional, national and global overview of children's environmental health issues from a public policy perspective, and (c) to explore practical approaches and preventative measures that should be taken by health professionals, social planners and educators to address this worldwide problem. This elective addresses Public Health Policy Development.

**Instructor:** A. Karim Ahmed,  
**Dates:** 8/28/17 – 12/11/17  
**Day/Time:** Mondays, 5:30 pm - 8:30 pm  
**Location:** Farmington, A1

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**PUBH 5497-F44**  
**Introduction to Community Health Issues and Research**  
**(Class# 14768)**  
This course provides students with exposure to the Hartford community, community-based participatory research (CBPR) and to community-based organizations (CBOs) that provide programs and services that impact and are impacted by public health policies and practices. Students will learn about the neighborhoods in Hartford and visit up to five CBOs. Each student will be assigned to one CBO to develop further understanding of the CBO relative to a core public health issue. Finally, students will write and present a proposal for a field experience they could implement at the assigned CBO during the spring semester. **Class is limited to 5 students.** This elective addresses Public Health Assurance.
PUBH 5497 F45- Epidemiology of Substance Use Disorders and Psychiatric Co-morbidities 3cr  
(Class # 14769)

Epidemiology is the "Queen" of the population sciences. This course will apply epidemiological techniques to the study of alcohol and other substance use disorders, and their relationships with medical and psychiatric disorders. It consists of a comprehensive survey of epidemiological research methods as they apply to substance use disorders in terms of their frequency of occurrence, distribution in populations, associated risk factors, etiologies and natural histories. This elective addresses Public Health assessment.

Instructor: Helen Wu  
Dates: Online  
Day/Time: Online  
Location: Online

PUBH 5497 –F46  Clinical & Social Service Systems Research in Alcohol & Addiction Science 3cr  
(Class # 14998)

This course will focus on how to conduct clinical and health services research on treatment and early intervention services, and how to critically evaluate research evidence. It will cover assessment procedures, research designs, sampling techniques, and mediators and moderators of treatment effects at both the individual and systems levels of analysis. It is geared towards, but not limited to, matriculated MPH students, public health professionals, health care providers, and the mental health and addiction workforce. It is recommended that students have completed (or are in process of completing) coursework in statistics, epidemiology and/or research methods. This elective addresses public Health assessment. Please note: Students will be expected to meet twice during the semester.

Instructor: Tom Babor  
Dates: Online  
Day/Time: Online  
Location: Online

PUBH 5497 F47- Reproductive Ethics, Rights, and Policies 3 cr  
(Class # 14999)

This course will explore the ethical, human rights, and regulatory dimensions of a variety of assisted reproductive technologies, both current and developing technologies, including the genetic screening of embryos, egg donation and payment, sex selection, mitochondrial replacement, and gene editing. It will also consider how these technologies are changing attitudes towards reproduction and whether they will lead to the commodification of life. In addition, the course will address legal and ethical issues related to various forms of pregnancy termination and their current legal status. This elective addresses Public Health Policy Development.

Instructor: Audrey Chapman  
Dates: 8/29/17 - 12/12/17  
Day/Time: Tuesdays, 5:30 to 8:30 pm  
Location: Farmington TBD

PUBH 5498-F40  Field Experience in Public Health Systems 3-6 cr.  
(Class# 14762)

Working with public health practice preceptors from among a broad diversity of health agencies and organizations, students will participate in an intensive service-learning experience wherein they will
examine a timely public health issue within the framework of health inequities, health indicators, assessment, disease surveillance, health policy development and advocacy, health education and promotion, and/or program development. Students may also participate in occasional seminars that address the operational issues of health agencies and organizations, and their impact on the delivery of essential public health services. (The course section assigned will equate to the number of credits.) Permission numbers required.

Instructor: Amanda Durante 860-679-2927 durante@uchc.edu
Dates: By arrangement
Day/Time: By arrangement
Location: By arrangement

PUBH 5499-F40 Capstone Project in Public Health Variable cr. 3-6
(Class# 14763)
Under faculty guidance, students pursue independent projects on special topics in the public health sciences. This is the course intended for students pursuing a final project. Permission numbers required. (The course section assigned will equate to the number of credits.)

Instructor: David Gregorio 860-679-5480 gregorio@uchc.edu
Date/Time: By arrangement
Location: By arrangement

PUBH 5501-F40 Foundations of Public Health and Disability 3 cr.
(Class# 9471)
The course is an introductory survey of the ways in which disability, both developmental and acquired, is affected by, and interacts with, public health policy and practice. The major goal of this course is to provide a foundational understanding of a comprehensive set of issues of both acquired and developmental disability as related to the core elements of public health. Topics include: history of disability, definitional and diagnostic issues of disability, epidemiology, disability law, ethics, research, individual and public health interventions, financing, research and the future of disability. This course will examine underlying social attitudes both toward disability as a construct, and toward people with disabilities and the impact that those attitudes have on public health policy and practices. The course is intended for, but not limited to, students matriculated in the PHCIDS program. Other students may take the course with instructor permission. Prerequisites: None. This course addresses Public Health Assurance.

Instructor: Nicholas Gelbar 860-679-1504 gelbar@uchc.edu
Date/Time: Online
Location: Online

PUBH 5503 F40 Disability Law, Policy, Ethics, and Advocacy 3 cr.
(Class# 9540)
The goal of this course is to provide a legal, conceptual, and practical understanding of people with disabilities, forms of discrimination that occur on the basis of disability, and the protections against such discrimination that currently exist. The course provides an opportunity to evaluate and understand many aspects of public policy and social issues that affect the lives of persons with disabilities and their families, including state, regional, national and international forces and trends, the principles of self-determination, and participation of persons with disability in planning and implementing. Topics to be discussed include federal and state laws and policies specific to: the health and well-being of people with disabilities; discrimination against people with disabilities; domestic, international, and comparative disability law and policy; the rights of children with disabilities in school, specifically through the Individuals with Disabilities in Education Act (IDEA); and recent developments in U.S. and international human rights and comparative disability law, including recent efforts by the United Nations to draft a treaty on the rights of people with disabilities. Students will explore the role of people with disabilities, who are often vulnerable to human
rights violations, within different legal systems. The course is intended for, but not limited to, students matriculated in the PHCIDS program. Other students may take the course with instructor permission. **Prerequisites: None.** **This course addresses Public Health Policy Development.**

Instructor: Nicholas Gelbar
Date/Time: Online

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**PUBH 5495 Independent Study**
Variable cr. 1 – 9
An individual course for those wishing to pursue special topics in the public health sciences under faculty supervision.

[http://studentservices.uchc.edu/registrar/gradschool/forms/form_indstudy.pdf](http://studentservices.uchc.edu/registrar/gradschool/forms/form_indstudy.pdf)

Instructor: By arrangement
Date/Time: By arrangement
Location: By arrangement
RESEARCH CREDITS, THESIS PREPARATION, AND CONTINUOUS REGISTRATION:

Master's, doctoral, and graduate certificate students must maintain registration continuously each semester (except summer/winter sessions) until they have completed all requirements for the degree. Students may maintain registration by either taking coursework for credit or by registering for one of the four non-credit Continuing Registration courses. These include Special Readings at the master's (GRAD 5998) or doctoral (GRAD 6998) level, Master’s Thesis Preparation (GRAD 5999), and Doctoral Dissertation Preparation (GRAD 6999). Other zero-credit courses may be substituted, if appropriate.

MASTER’S RESEARCH CREDITS AND THESIS PREPARATION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GRAD 5930-01</td>
<td>Full-time Directed Studies</td>
<td>3 cr.</td>
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<tr>
<td>(Class# 3563)</td>
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</table>

This course denotes that the student is participating in a full-time internship, field work experience, or other course of off-campus study required by the student’s master’s program. No other courses may be taken concurrently. Instructor: By arrangement

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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>GRAD 5950</td>
<td>Master’s Thesis Research</td>
<td>Variable cr.: 1-9</td>
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This course is to be used by those students who are performing required research for the Master’s Thesis paper. Other courses may be taken concurrently and students may hold a graduate assistantship. Full-time enrollment = total of 6 credits. Instructor: Student’s Major Advisor

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<thead>
<tr>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>GRAD 5950-001</td>
<td>(class# 3553)</td>
<td>GRAD 5950-004 (class# 3556)</td>
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<tr>
<td>GRAD 5950-002</td>
<td>(class# 3554)</td>
<td>GRAD 5950-005 (class# 3557)</td>
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<tr>
<td>GRAD 5950-003</td>
<td>(class# 3555)</td>
<td>GRAD 5950-006 (class# 3558)</td>
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<td>GRAD 5950-007</td>
<td>GRAD 5950-008 (class# 3560)</td>
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<tr>
<td></td>
<td>(class# 3559)</td>
<td>GRAD 5950-009 (class# 3561)</td>
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<tr>
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<tbody>
<tr>
<td>GRAD 5960-01</td>
<td>Full-time Master’s Research</td>
<td>3 cr.</td>
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<tr>
<td>(Class# 3562)</td>
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</table>

This course is to be used by those students who are candidates for the master’s degree and who are performing required research for the master’s thesis on a full-time basis. No other courses may be taken concurrently. Students cannot hold graduate assistantships while taking this course. Instructor: Student’s Major Advisor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>GRAD 5998-01</td>
<td>Special Readings (Master's) – Continuous Registration for Plan B</td>
</tr>
<tr>
<td>(Class# 3616)</td>
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</table>

This is a non-credit course for which master's degree students must register in cases where their regular program of course work for credit has been interrupted and they are not otherwise registered.

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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>GRAD 5999-01</td>
<td>Thesis Preparation- Continuous Registration for Plan A</td>
</tr>
<tr>
<td>(Class# 3564)</td>
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</tbody>
</table>

This is a non-credit course to be used to maintain registered status by Plan A master's students who have Completed their coursework and who are not registered for any other credit-bearing course.
DOCTORAL RESEARCH CREDITS, DISSERTATION PREPARATION, AND CONTINUOUS REGISTRATION:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAD 6930-001 (Class# 3575)</td>
<td>Full-time Directed Studies</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

This course denotes that the student is participating in a full-time internship, field work experience, or other course of off-campus study required by the student's doctoral program. No other courses may be taken concurrently. This course constitutes full-time enrollment status.

**Instructor:** By Arrangement  
**Day & Time:** By Arrangement  
**Location:** By Arrangement

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<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GRAD 6932 (Class# 14680)</td>
<td>Full-time Directed Studies</td>
<td>Variable cr.</td>
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</tbody>
</table>

This course will be used by MD/PhD students at UConn Health to provide them with a credit benefit for their dual degree program. MD/PhD students enrolling in GRAD 6932 may hold a graduate assistantship and take additional graduate courses, which will allow us to continue integration of the graduate and medical school curricula in the first four semesters of the program. This 15-credit benefit is an approved for UConn dual degree programs and is an important aspect of the MD/PhD program as it integrates the two degrees programs, which is considered to be a best practice nationally. Grad 6932 will give MD/PhD students the same 15-credit benefit as DMD/PhD students, reflecting what is already is in place in the graduate school for individuals that enter PhD program with a Master's degree in a closely related field.

**Instructor:** By Arrangement  
**Day & Time:** By Arrangement  
**Location:** By Arrangement

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<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GRAD 6950 (Class# 3565)</td>
<td>Doctoral Research</td>
<td>Variable cr.: 1-9</td>
</tr>
</tbody>
</table>

This course is to be used by those students who are candidates for the doctoral degree who are performing required research for the Ph.D. dissertation or DMA paper on a full-time basis. Other courses may be taken concurrently and students may hold a graduate assistantship. Full time-enrollment = total of 6 credits with an assistantship, 9 credits without. Section numbers equate to the number of credits. The class number is listed after the catalog number and section.

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<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>GRAD 6960-001 (Class# 3574)</td>
<td>Full-time Doctoral Research</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

This course is to be used by those students who are candidates for the doctoral degree and who are performing required research for the Ph.D. dissertation or DMA paper on a full-time basis. No other courses may be taken concurrently. Students cannot hold graduate assistantships while taking this course. This course constitutes full-time enrollment.

**Instructor:** Student's Major Advisor  
**Day & Time:** By Arrangement  
**Location:** By Arrangement
CONTINUOUS REGISTRATION:

GRAD 6998-001  Special Readings (Doctoral)  0 cr.
(Class# 3576)

Non-credit course used for Continuous Registration for students, excluding Graduate Assistants, who have not yet passed the general examination.

GRAD 6999-001  Dissertation Preparation  0 cr.
(Class# 3577)

This is a non-credit course used for Continuous Registration for students, excluding Graduate Assistants, who have passed the general examination.
NON-DEGREE STUDENTS:
REGISTRATION INFORMATION

Eligibility: Non-Degree Study allows individuals who have not been formally accepted into degree-seeking status at UConn to take graduate level credit courses. In most cases, a bachelor’s degree is required to enroll in graduate courses. Non-degree students seeking to be admitted to the Graduate School are usually only allowed 6 credits of graduate coursework to be applied toward the degree. Matriculated graduate students have priority for seating over non-degree students.

Enrollment Period: Students may begin to register, Monday, March 20, 2017. The last day to register is Monday, September 11th, (tenth day of class). The Fall 2017 semester begins on Monday, August 28th 2017. Please view the Academic Calendar (pg. 3) for additional dates and deadlines.

Registration Process: Students must complete a non-degree registration form which is available on the UConn Health Registrar website. The form must be completed in its entirety with all information legibly printed, or typed. Completed forms (including required approvals) should be submitted via fax, mail, email, or in person, to the UConn Health Registrar’s Office.

UConn Health Registrar's Office, MC1829, AM039
263 Farmington Ave.
Farmington, CT  06030-1829
Fax: 860-679-1902
Email: registrar@uchc.edu

Student Administration Access: Non-degree students are issued a student NetID and password which must be used to access the Student Administration system. To find and activate your NetID go to https://netid.uconn.edu/index.php.

- A confirmation email will be sent to each non-degree student once the registration request is processed.
- Upon receipt of the registration confirmation, students should access the Student Administration to view a class schedule, fee bill, and submit payment.

❖ After the tenth day of class, all enrollment adjustments require submission of the approved Schedule Revision Request form.

- **Adding a Course after the 10th day:** Is at the instructor’s discretion. During the third and fourth weeks of the semester a student may add courses by submitting a completed Schedule revision form with permission from the course instructor, advisor and head of the department offering the course.

- **Dropping a Course after the 10th day:** Courses dropped after the tenth day will be reflected on a student’s transcript with a “W” grade for “withdrawal”. Dropping a class after the ninth week requires the recommendation of the advisor and permission of the Associate Dean of the Graduate School at UConn Health.
Tuition and Fee Information:

- **Tuition, Fees and Payment Information:** The UConn Bursar's website provides detailed information for current tuition and fee schedules as well as payment options: please visit [http://bursar.uconn.edu/](http://bursar.uconn.edu/)

- **Payment Deadline:** Payments are due at the time of registration. Failure to receive a bill does not relieve a student of responsibility for payment of fees by the specified due date. Students with outstanding balances on their fee bills will have a “Bursar Hold” placed on their accounts. This hold prevents students from accessing services such as class registration, recreation services, transcripts and other services. If tuition and fees are not paid in full on the published fee bill due date students will incur late fees.

**Contact Information:** For questions related to billing, contact the UConn Health Graduate School Bursar's Office at 860-679-1632