

Fall 2014 Learning Communities**CRN#****20143 LC 207-A, Mathematical Experiments in Computer Science, 3 cr., W2:30-5:00****20136 CSC 201-A, Discrete Mathematics, 3 cr., Prof. S. Simonson, TR10-11:15****20137 CSC 211-A, Data Structures, 3 cr., Prof. R. Bravaco, TR11:30-12:45**

Computers provide us with tools to explore mathematics in deeper ways than ever before. They allow empirical testing of mathematical conjectures with elusive proofs. Computers enable us to experimentally analyze algorithms whose performance defies theoretical analysis. This LC focuses on the delicate balance between theory and practice in computer science, revealing the dual and sometimes contradictory nature of computer science as both an engineering and a mathematical discipline.

***NOTE:** CSC 201 has a prerequisite of CSC 104 and MTH 126; CSC 211 has a prerequisite of CSC 104.*

**20039 LC 209-A, Organic Chemistry of the Cell, 3 cr., W1:00-3:30****20067 BIO 211-C, Cell Biology, 4 cr., Prof. K. Nolin, MWF10:30-11:20 plus a lab section****20020 CHM 222-A, Organic Chemistry II, 4 cr., Prof. L. Liotta, MWF8:30-9:20 plus a lab section**

Students will select, read, and critique primary literature that ties together topics currently being learned in Cell Biology and Organic Chemistry II in order to develop their abilities to understand and critically analyze the literature. The seminar will culminate with student teams proposing an experiment or series of experiments that address a specific area of interest on the boundary between organic chemistry and cell biology. These proposals will be presented in both written and oral forms, allowing fellow students to evaluate and expand upon the proposed ideas.

***NOTE:** BIO 211 has a prerequisite of BIO 101-102. CHM 222 has a prerequisite of CHM 221. This LC allows students to fulfill a Writing-in-the-Disciplines requirement as well as the Learning Community requirement of the Cornerstone Program.*

**20717 LC 209-0 Organic Chemistry of the Cell, 0 cr. (This course will be taken in Spring 2015.)****Students must take a section of BIO 211, Cell Biology and lab and CHM 222, Organic Chemistry II and lab in the Fall 2014 semester.**

Students will select, read, and critique primary literature that ties together topics currently being learned in Cell Biology and Organic Chemistry II in order to develop their abilities to understand and critically analyze the literature. The seminar will culminate with student teams proposing an experiment or series of experiments that address a specific area of interest on the boundary between organic chemistry and cell biology. These proposals will be presented in both written and oral forms, allowing fellow students to evaluate and expand upon the proposed ideas.

***NOTE:** BIO 211 has a prerequisite of BIO 101-102. CHM 222 has a prerequisite of CHM 221. This LC allows students to fulfill a Writing-in-the-Disciplines requirement as well as the Learning Community requirement of the Cornerstone Program.*

**20718 LC 235-0, Quantum Waves, 0 cr., (This course will be taken in Spring 2015.)****20164 MTH 261-B, Multivariable Calculus, 4 cr., Prof. H. Su, TWF1-2:15****20509 PHY 221-A, Physics III, 4 cr., Prof. A. Massarotti, MWF10:30****20510 PHY 221-L1, Physics III Lab, 0 cr., Prof. M. Horne, W2:30-4:00**

In this LC students will perform classical experiments in quantum physics in order to explore the wave nature of electrons and the particle nature of light. Students will present the results of their work.

***NOTE:** MTH 261 has a prerequisite of MTH 126. PHY 221 has a prerequisite of MTH 126 and PHY 122.*

**20701 LC 240-A, Building Leaders, 3 cr., W11:30-2:00****20201 BUS 333-C, Organizational Behavior, 3 cr., Prof. J. Lee, TR8:30-9:45****20525 PSY 204-A, Human Development in the Young Adult Years, 3 cr., Prof. K. Sullivan, MWF9:30-10:20**

Students will build leadership skills by designing and implementing an off-campus, community-based learning project. The team will serve both as a mechanism for students to apply course material to build their leadership skills and as a change agent for assisting at-risk youth in Brockton. Teams will be expected to establish benchmarks, interview clients concerning their needs and preferences, develop a detailed proposal for implementation, and, with approval, conduct the program. A final report and a formal, public executive briefing will be presented at the end of the semester.

**20702 LC 240-B, Building Leaders, 3 cr., F11:30-2:00****20202 BUS 333-D, Organizational Behavior, 3 cr., Prof. J. Lee, TR10:00-11:15****20526 PSY 204-B, Human Development in the Young Adult Years, 3 cr., Prof. K. Sullivan, MWF10:30-11:20**

Students will build leadership skills by designing and implementing an off-campus, community-based learning project. The team will serve both as a mechanism for students to apply course material to build their leadership skills and as a change agent for assisting at-risk youth in Brockton. Teams will be expected to establish benchmarks, interview clients concerning their needs and preferences, develop a detailed proposal for implementation, and, with approval, conduct the program. A final report and a formal, public executive briefing will be presented at the end of the semester.

**20358 LC 261-A, Freud in the Modern World, 3 cr., M2:30-5:00****20696 ENG 256-A, Madness and Insight, 3 cr., Prof. J. Green, MW1-2:15****20352 ENG 390-A, Topics in Modernism: Freud's Cases, 3 cr., Prof. D. Itzkovitz, WF11:30-12:45**

An examination of the influence of Sigmund Freud and Freudian psychoanalysis on 19<sup>th</sup>-21<sup>st</sup> century Europe and America, as popularized across a wide range of cultural productions, including literature, the visual arts, film, television and new media.

- 20008 LC 282-A, Neuroscience: Mind, Body, and Community, 3 cr., Saturday 9:00-4:00 (dates TBA)**  
**20007 NEU 200-A, Seminar in Neuroscience: Neurological Basis of Behavior, 3 cr., Prof. A. Cohen, F1:30-4:20**  
**20546 PSY 415-B, Brain and Behavior, 3 cr., Prof. J. McCoy, TR11:30-12:45**

Students will work with children with neuro-developmental disabilities under the guidance of the staff at the HOPE House. Students will be matched primarily with one child. They will keep a journal of objective assessments of their child, noting the behavioral, emotional, social, language and other cognitive impairments and will attempt to quantify the improvement of the child throughout the semester.

**NOTE:** *NEU 200 has a prerequisite of BIO 101. PSY 415 has a prerequisite of PSY 101.*

- 20691 LC 294-A, Social Problems and Performance, 3 cr., TR11:30-12:45**  
**20269 SOC 232-A, Crisis, Conflict and Control, 3 cr., Prof. K. Branco, MW10-11:15**  
**20705 VPT 216-A, Improvisation, 3 cr., Prof. M. Dussault, TR10-11:15**

Through play readings and performance, difficult social problems related to race, gender, sexuality, poverty, crime, drugs, globalization, oppression, will be presented, discussed and analyzed. Students in this LC will be exposed to a variety of playwrights and materials that use the medium of theatre as a way to tackle many of the most difficult issues facing us today. The culminating project for the LC is a performance presentation that will not only allow an understanding of the play texts but will also expose the Stonehill community to these social problems.

**NOTE:** *This LC allows students to complete a Social Scientific Inquiry requirement as well as the Learning Community requirement of the Cornerstone Program.*

- 20078 LC 295-A, Health Promotion and Disease Prevention, 3 cr., M1-3:30**  
**20064 BIO 118-A, Nutrition and Wellness, 3 cr., Prof. J. Greene, W6:30-9:00**  
**20077 BIO 296-B, Scientific Methods: Female Medical Issues, 3 cr., Prof. S. Barry, MWF10:30-11:20**

In this LC students will examine current diseases/illnesses affecting the US population and investigate the ways in which we can increase the quality and years of healthy life through effective prevention and treatment initiatives. Community based learning will be an integral part of this experience. This LC is recommended for those men and women considering public health, education, health care or any related fields, as well as those who are simply interested in these topics.

**NOTE:** *This LC fulfills the Natural Scientific Inquiry as well as the Learning Community requirement of the Cornerstone Program.*

- 20240 LC 305-A, Integrated Marketing Communications, 3 cr., TR11:30-12:45**  
**20215 BUS 340-C, Marketing Principles, 3 cr., Prof. L. McGinnis, WF11:30-12:45**  
**20114 COM 311-B, Public Relations I: Principles, 3 cr., Prof. R. Seraphin, TR8:30-9:45**

This LC introduces students to Integrated Marketing Communication (IMC); the intersection of marketing, public relations, publicity, advertising, and sales support to promote organizations, products, and services. IMC is a relatively new trend and, by definition, interdisciplinary. IMC employs traditional media and approaches as well as new Web 2.0 and social media applications. IMC represents a robust opportunity for students to apply marketing and communication theory and principles and to gain critical, in-demand career skills.

~~**20325 LC 310 A, Becoming America, Prof. S. Pinzari and Prof. G. Hylander, 4 cr., W2:30-5:00 CANCELLED**~~

~~Robert Frost aptly captured the subtle Americanization of Britain's North American colonists when he observed "the land was ours before we were the lands." Focusing on the years from 1607 to 1787, this course will examine the powerful, social, economic, cultural and intellectual forces that created a modern and ultimately "American" society in Britain's thirteen mainland colonies. Through a close reading of children's historical fiction, students will be able to understand how contemporary authors seek to capture the rhythms, vitality and daily life of colonial America for their readers. Moreover, by examining a broad interdisciplinary mix of primary source materials, including documents, art, music, literature, biography and material culture, we will seek to answer Crevecoeur's thoughtful question, "What then is the American, this new man?"~~

~~**NOTE:** *This course fulfills the Learning Community requirement. LC 310 is equivalent to EDU 220. May not receive credit for both LC 310 and EDU 220. In addition to the class meetings, course will travel (Dates TBD). Students will be assessed an additional \$150 fee for travel to their Fall 2014 tuition bill.*~~

- 20703 LC 325-A, Is Sex Destiny?, 1 cr., W2:30-3:20**  
**20354 ENG 394-A, Sexuality and Textuality, 3 cr., Prof. G. Piggford, CSC, WF11:30-12:45**  
**20417 GND 101-A, Intro. to Gender and Sexuality, 3 cr., Prof. W. Peek, WF1-2:15**

This course will look at the representation of gender and sexuality in literature, the visual arts, and film. Of particular interest will be the historical construction of the binaries of gender and sex in the ancient, medieval, and modern periods and on recent and dramatic changes in cultural understandings about sex and gender. These transformations have in turn shaped the way writers, artists, and filmmakers portray culture and themselves. The integrative seminar asks students to create an artistic piece or educational document that incorporates insights from both linked courses on sex and gender from a variety of disciplines.

- 20721 LC 328-A, #Reimagining Education, 1 cr., M4:00-5:00**  
**20133 CSC 101-A, From Gutenberg to Gates, 3 cr., Prof. H. Perry, MW1-2:15**  
**20263 SOC 101-E, Introduction to Sociology, 3 cr., Prof. D. David-Walsh, TR4-5:15**

In this LC, students will utilize a project-based model to examine current trends in education that seek to bridge the skills gap for the 21st century. Alternate models of high school such as the six year high school, empowerment zones, vocational/technical high schools and charter schools will be evaluated for their potential to prepare students with marketable skills to meet the growing demand in the STEM fields. Students will research pilot programs, interview innovators in the education field and tour local schools. This research will culminate in a presentation to a panel of educators of the programs deemed to show the most promise.

***NOTE:** This LC allows students to fulfill a Natural Scientific Inquiry and Social Scientific Inquiry as well as the Learning Community requirement of the Cornerstone Program.*

- 20726 LC 329-0 Making America's Future: The Politics and Practice of Working with Urban Youth, 0 cr. (This course will be taken in Spring 2015.)**  
**AMS 320-A, Topics in American Studies: City Kids: Youth, Politics and Identity in Urban America, 0 cr., Prof. C. Dolgon (This course will be taken in Spring 2015.)**

**20723 CRM 352-A, Topics in Criminology: Youth Leadership Development and Crime Prevention, 3 cr., Prof. E. Jacobs, T2:30-7:30**  
 This LC introduces students to best practices and theories of mentoring youth and then provides students hands-on opportunities to apply them through a yearlong mentoring project through Coaching 4 Change, an exciting program created by Stonehill graduate Marquis Taylor '05 to help Brockton High School students develop their own mentoring skills to coach elementary school youth and run local basketball leagues. As Stonehill students work with Coaching 4 Change, they will gain firsthand knowledge of the field of youth leadership development, placing this important work in the context of American youth's experience with urban politics, culture, and struggle.

***NOTE:** This Learning Community will run as a year-long LC with academic and youth mentoring components scheduled throughout the entire academic year. An additional 2 1/2 hours have been added to CRM 352-A in the Fall for youth mentoring. An additional 2 1/2 mentoring hours per week from 2:30-5:00 p.m. will also be arranged with the instructor.*