## Summer Session 2018

### Academic Calendar

<table>
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<th>Date</th>
<th>Event Description</th>
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| **Wednesday, April 11** | Summer 2018 Registration opens  
(Registration for WCAS students fall 2018 also begins) |
| **Tuesday, May 15** | **First summer session begins**                                                   |
| **Tuesday, May 15** to **Friday, May 18** | Last week to drop a first-session course with 100% refund of tuition (must withdraw before second class meeting) |
| **Monday, May 21** | Commencement Day - No MORNING or EARLY AFTERNOON classes. **EVENING classes DO MEET** |
| **Monday, May 28** | Memorial Day Holiday—no classes                                                   |
| **Thursday, June 21** | Last day of first summer session 2018                                             |
| **Monday, June 25** | **Second summer session begins**                                                  |
| **Monday, June 25** to **Friday, June 29** | Last week to drop a second-session course with 100% refund of tuition (must withdraw before second class meeting) |
| **Wednesday, July 4** | Fourth of July Holiday — no classes                                               |
| **Friday, August 3** | Last day of second summer session 2018                                           |
SUMMER SESSION 2018
Boston College Summer Session is open to anyone with a high-school diploma or the equivalent. Most Summer Session courses are at the undergraduate level, but some graduate courses in the Woods College of Advancing Studies Master’s programs are offered during the summer. No application is required to enroll in BC Summer Session, except for students wishing to apply to a Woods College undergraduate or graduate program.

Boston College schedules two six-week sessions in the summer:
- **Tuesday, May 15 through Thursday, June 21**
- **Monday, June 25 through Friday, August 03**

There are no classes on **Monday, May 28 or Wednesday, July 4**.

Most summer classes are three credits unless specifically noted in the course description. Most classes meet twice a week for 6 weeks; exceptions are noted in individual course descriptions in this catalog.

SUMMER SESSION ADMINISTRATION
James P. Burns, I.V.D., Dean
Neal Couture, Associate Dean Administration & Finance
David Goodman, Associate Dean Academic Affairs and Advising
Diletta Masiello, Program Director, Boston College Summer Session
Claudia Pouravelis, Associate Dean Enrollment Management
Anne Severo, Assistant Dean Financial Planning & Operations

SUMMER SESSION GENERAL INFORMATION
Boston College reserves the right to change or withdraw course offerings if necessary, and alter fees and charges from those published in this catalog without prior notice.

SUMMER REGISTRATION PROCEDURE
Summer 2018 registration opens on Wednesday, April 11. New students may register in-person in St. Mary’s Hall South, Ground Floor, Monday through Thursday from 9:00 am to 7:00 pm, and Friday from 9:00 am to 3:00 pm. Registration must be completed by the first day of class. New students will receive a New Student Information Form, containing the student’s assigned BC Eagle ID number and username, to allow them to access the BC Agora portal.

Continuing Woods College students may register online through the Agora portal. Boston College Students (non-Woods College students) should register for summer courses at Student Services in Lyons Hall anytime following their April advising registration appointments.

Students who wish to drop a summer course must do so in the Summer Session Office in St. Mary’s Hall South before the second meeting of the class.

SUMMER TUITION, FEES AND PAYMENTS
All fees and tuition charges are due and payable in full at the time of registration; the 2018 rate is $836 per credit. Most courses offered during the summer session are 3 credits, $2508. Science courses requiring a 1-credit lab will incur an additional 1 credit in tuition plus a lab fee of $205* (Physics) or $345* (Biology and Chemistry). Fee covers cost of laboratory materials. 2018 Course Audit Fee is $1254. (Note - Information Technology courses are not open to auditors.) The registration fee is $45.

Boston College reserves the right to change or withdraw offerings if necessary and alter fees and charges from those published, without prior notice.

Payment may be made by e-check or credit card. New students will be activated in the BC system within 48 hours of registration, and may then pay via e-check or credit card through the Agora portal. Continuing Woods College students may pay through the Agora portal as soon as they have registered for summer courses.

SUMMER WITHDRAWALS AND REFUNDS
Students wishing to drop or withdraw from a summer course must complete an official Drop/Withdrawal form in the Summer Session Office in St. Mary’s Hall South, or send a written notification of withdrawal to the Summer Session Office. Tuition and laboratory fees are refundable; the registration fee is non-refundable. If a student drops a course in the Summer Session Office before the second class meeting, no record is maintained and 100% tuition is refunded; for students withdrawing after this, a grade of W is recorded on the student’s transcript and no academic credit is granted, and there is no refund of tuition.

All course withdrawals must be submitted to the Summer Session Office prior to the final scheduled class meeting.

Students dropping a course on or before the second scheduled class meeting will receive a 100% refund of tuition. There are no refunds for students withdrawing from a class after the second class meeting.

Students are responsible for the tuition of all courses for which they have registered.

SUMMER GRADES AND TRANSCRIPTS
Final examinations are held during the last scheduled meeting of the course. All course work, independent study, readings and research should be completed by the end of the summer. October 1, 2018 is the final date for instructors to change summer 2018 grades and incompletes. Faculty submit their summer grades directly online. Students may access their summer grades by using their BC username and password to log into the Agora portal. Students may request official transcripts of summer courses from the Student Services Office either in person, at Lyons Hall, or via the Agora portal.

* Fees subject to change.
SUMMER RESOURCES

SUMMER RESIDENTIAL LIVING
Students attending classes between June 25 and August 3 may apply for on-campus housing. Housing is offered from June 23 through August 4 for this session. A staff thoroughly familiar with Boston College programs and resources is in residence and capable of responding to most of the students’ needs.

Students are housed in air-conditioned apartments located on lower campus. Each apartment consists of two or three two-person bedrooms, living room, dining area, two bathrooms, and a modern kitchen. Furnishings in student rooms include a desk, study chair, chest of drawers, closet and bed for each resident. Students are responsible for bringing their own linen and for housekeeping within the room.

Kitchens are equipped with a sink, large refrigerator, stove, oven, dishwasher and disposal. Please note that microwaves, cooking utensils and dinnerware are not provided. Dining facilities are available on-campus throughout the summer.

Applications and other important information for summer housing will be made available online during the spring at www.bc.edu/summersessions.html. Space is limited and granted on a first-come, first-serve basis. No singles are available.

For complete information see: www.bc.edu/offices/reslife/summer/summersessions.html

HOUSING APPLICATION PROCEDURE
A person desiring on-campus housing between June 23 and August 4 can apply online at www.bc.edu/summerhousing or may telephone (617) 552-4727. Housing applications should be submitted promptly to insure housing accommodations. Space is assigned on a first-come, first-serve basis.

HEALTH SERVICES
The University Health Service Clinic is located in the 2150 Commonwealth Avenue building. It is open Monday through Thursday from 8:30 a.m. to 4:30 p.m.; Friday 9 a.m. to 3 p.m. The clinic provides emergency treatment of minor injuries or illness and willingly acts as liaison with community doctors for any help necessary which the clinic cannot provide. For routine care telephone (617) 552-3225; in an emergency telephone (617) 552-4444. Website: www.bc.edu/healthservices.

THOMAS P. O’NEILL, JR. LIBRARY
O’Neill Library holds 1.4 million volumes of the Boston College Libraries research collections in a broad range of subjects reflecting the University’s extensive curriculum. These include general reference materials, indexes, the circulating collections, media, government documents, and other research materials housed on the five floors of O’Neill Library and at three remote collection sites. Go to www.bc.edu/libraries to learn more about the vast array of resources available to you, and visit the O’Neill Library stacks to see more about what collections are located in the library.

DINING FACILITIES
During the summer, on main campus, Dining has at least one location open for breakfast, two for lunch and one for dinner. Monday through Friday there is also a small café on the Brighton Campus as well as a minimart express option on the Newton Campus. Typically main campus locations are the Eagles Nest in McElroy Commons for middle campus and either Hillside Café or Corcoran Commons on lower campus. To see the most up-to-date hours of operation please visit their website at http://www.bc.edu/dining and click on hours.

For convenience in purchasing summer meals using your BC student ID, students may add a minimum deposit of $20 to your Eagle One Card account via Agora. Any unused balance (over $5) is fully refundable. For information on the differences between Dining Bucks and Eagle Bucks visit http://www.bc.edu/content/be/offices/id/eagles-one_accounts.

CAMPUS RECREATION
Looking for a place to clear your head, work out and have fun this summer? Campus Recreation is at the heart of all athletic activities, recreation and socialization on campus. Our facility, the William J. Flynn Recreation Complex, includes a 10,000 square foot fitness center, air-conditioned spin studio, cardio room and group fitness studios, an indoor jogging track, basketball courts, volleyball courts, racquetball and squash courts, indoor and outdoor tennis courts, a newly resurfaced S-lane, 25 yard pool with separate diving well, heated spa, changing room and saunas. We also have an outdoor patio with tables, chairs and lounge chairs for sunbathing.

BC Rec members enjoy unlimited access to our facilities as well as 30+ FREE group fitness classes a week, including spin, Cardio-Kickboxing, Yoga, Barre, Zumba, and Aqua Spinning. Members also receive discounts on all of our paid programs, including personal training, Masters Swim, private, semi-private and group tennis or swim lessons, and small group fitness classes.

Students may purchase a BC Rec summer membership for $100. If you aren’t ready to commit to a summer membership, there is a $7 guest fee. To qualify for the student rates, a valid BC ID is required. To learn more about our summer membership options, programs and facilities, please visit us online at www.bc.edu/rec. To register for a summer membership or for more information, please contact our Member Services Office at (617) 552-0797.

BOSTON COLLEGE ID
A Boston College ID is required to access facilities and services on campus. Boston College picture ID’s are $30 and are issued by the Student Services Office located in Lyons Hall 100. For more information go to www.bc.edu/offices/id.

PARKING
A patrolled and well-lighted parking area is available on lower campus. All students parking on Boston College campuses are required to display a valid parking decal on their vehicle. Permits may be purchased for approximately $255. Permit allows parking from 6 a.m. to 2 a.m. Any questions, please contact the Office of Student Services at 617-552-3300 or visit www.bc.edu/studentservices.
The second portion of this introductory course is a continuation of previous studies in human anatomy and physiology. The first portion of the course covers cellular and molecular aspects of eukaryotic cell function: basic chemistry, macromolecules, cell structure, membrane transport, metabolism, gene expression, cell cycle control, and genetics. The course continues with the study of several organ systems, beginning with the Integument, which is followed by the Skeletal and Muscular Systems, and ending this first section with the Nervous System. The cellular and molecular basis for the functions of these systems is an integral element of this portion of the course. Does not satisfy Natural Science Core Requirement for BC students. This course is intended for Nursing/Allied Health Professions students. Boston College biology majors/premed students must obtain department approval before registering for this course.

May 15–May 31, M T W TH, 8:30-11:30 a.m.

**No Class on Monday May 21, Commencement Day**

Jeremy J. Eberhard

**BIOL 132001 Anatomy and Physiology II**

Corequisite: BIOL 1330

The second portion of this introductory course is a continuation of BIOL 1300/1310, with a primary emphasis on the physiology of the major body systems. Systems studied in this course include the sensory, endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. The physiological functions under normal conditions are emphasized, relevant disease or dysfunctional conditions are also discussed. Does not satisfy Natural Science Core Requirement for BC students. This course is intended for Nursing/Allied Health Professions students. Boston College biology majors/premed students must obtain department approval before registering for this course.

June 4–June 21, M T W TH, 12:00-2:00 p.m.

Jeremy J. Eberhard

**BIOL 133001 Anatomy and Physiology Lab II**

Corequisite: BIOL 1320

A continuation of BIOL 1310. Lab fee required. Exercises in this laboratory course deal with anatomical models, procedures, and techniques. Course covers cellular and molecular aspects of eukaryotic cell function using anatomical models, and a dissection lab. Does not satisfy Natural Science Core Requirement for BC students. This course is intended for Nursing/Allied Health Professions students. Boston College biology majors/premed students must obtain department approval before registering for this course.

June 4–June 21, M T W TH, 12:00-2:00 p.m.

Jeremy J. Eberhard

**BIOL 220001 Microbiology for Health Professionals**

Prerequisite: Anatomy and Physiology I and II.
Corequisite: BIOL 2210

This course is a study of the basic physiological and biochemical activities of bacteria and viruses. Emphasis will be placed on virulence factors and the mechanism by which they cause disease in humans. Students will be prepared for advanced courses in cellular pathology. This course covers cellular and molecular aspects of eukaryotic cell function using anatomical models, and a dissection lab. Does not satisfy Natural Science Core Requirement for BC students. This course is intended for Nursing/Allied Health Professions students. Boston College biology majors/premed students must obtain department approval before registering for this course.

June 25–July 12, M T W TH, 8:30-11:30 a.m.

Andrea Kirmayer

**BIOL 221001 Microbiology for Health Professionals Laboratory**

Corequisite: BIOL 2200

Lab fee required. Exercises in this laboratory course deal with aseptic techniques, microbial cultivation and growth characteristics, staining and bacterial isolation techniques, differential biochemical tests, identification of unknown bacterial species, and testing effectiveness of antimicrobial agents.

June 25–July 12, M T W TH, 12:00-2:00 p.m.

Claudia S. Kale

**BIOL 303001 Intro to Physiology**

This course will offer a comprehensive exploration of fundamental life systems with a primary emphasis on human physiology. The chemical and physical processes common to all living organisms, including hemodynamics, respiration, circulation, acid/base regulation, synaptic transmission, kidney and muscle function will be discussed. Also included are related topics on development of the organism and functional aspects of the immune system in host defense strategies.

May 16–June 20, M W, 9:00 a.m.-12:15 p.m.

**No Class on Monday May 21, Commencement Day**

Christopher P. Kenaly

**BIOL 304001 Cell Biology**

This course is designed to provide students with a strong foundation in the molecular biology of the cell. Topics covered in the course include cellular biochemistry, regulation of gene expression, subcellular organization, regulation of the cell cycle, membrane trafficking, cell-substrate interactions, cytoskeleton, cancer, and cell signaling. It serves as excellent preparation for more advanced courses in cell biology, molecular biology, developmental biology, and genetics.

May 16–June 20, M W, 9:00 a.m.-12:15 p.m.

**No Class on Monday May 21, Commencement Day**

David R. Burgess

**BIOL 305001 Genetics**

Classical and modern genetics: transmission genetics, genotype-phenotype relationships, genetic variation and gene mapping, DNA sequencing, genomic approaches in modern genetics, topics in human genetics.

May 16–June 20, M W, 12:00-3:15 p.m.

**No Class on Monday May 21, Commencement Day**

Rebecca K. Dunn
CHEMISTRY

CHEM 101101 General Chemistry I (Summer)
Students are introduced to fundamental principles of chemistry including atomic and molecular structure, quantitative relationships, thermodynamics, kinetics, equilibrium and acid/base properties. This course is intended for students with an interest in science or medicine.
June 18–July 9, M T W TH F, 8:30-11:15 a.m.
William Griffin

CHEM 101201 General Chemistry II (Summer)
Students are introduced to fundamental principles of chemistry including atomic and molecular structure, quantitative relationships, thermodynamics, kinetics, equilibrium and acid/base properties. This course is intended for students with an interest in science or medicine.
July 10–Aug 3, T W F M (no TH), 8:30-11:15 a.m.
William Griffin

CHEM 101301 General Chemistry Laboratory I
(Summer)
Experiments in this course reflect and apply the principles learned in the lecture course. Students will be introduced to techniques and procedures commonly used in chemistry labs and develop skills for acquiring and analyzing data. Lab fee required.
June 18–July 5, M T W TH F, 11:45 a.m.-2:45 p.m.
William Griffin

CHEM 101401 General Chemistry Laboratory II
(Summer)
Experiments in this course reflect and apply the principles learned in the lecture course. Students will be introduced to techniques and procedures commonly used in chemistry labs and develop skills for acquiring and analyzing data. Lab fee required.
July 9–Aug 1, M T W (no TH), 11:45 a.m.-2:45 p.m.
William Griffin (* Lab begins one day before lecture)

CHEM 201101 Organic Chemistry I (Summer)
This course provides an introduction to the properties and applications of organic molecules and reactions. An understanding of the relationship between molecular structure and function with an emphasis on mechanistic principles is emphasized. This course is intended for students with an interest in science or medicine.
June 11–July 6, M T F, 9:30-12 noon
Karen Atkinson

CHEM 201201 Organic Chemistry II (Summer)
This course provides an introduction to the properties and applications of organic molecules and reactions. An understanding of the relationship between molecular structure and function with an emphasis on mechanistic principles is emphasized. This course is intended for students with an interest in science or medicine.
July 9–Aug 3, M T TH F, 9:30-12 noon
Karen Atkinson

CHEM 201401 Organic Chemistry Laboratory II
(Summer)
Students will acquire fundamental organic separation and purification techniques. Reactions that are studied in class will be performed in the laboratory. Compounds are analyzed using a variety of methods including spectroscopy. Lab fee required.
July 9–Aug 2, M T TH, 12:30-4:30 p.m.
Karen Atkinson

CHEM 335101 Analytical Chemistry
Corequisite: CHEM 3353
Designed primarily for sophomore and junior students, this course is an introduction to the principles and practice of analytical chemistry, including the statistical analysis of data and widely-used chemical methods and instrumental approaches such as chromatography, spectrophotometry, and electrochemistry. In the laboratory, the aims are for students to develop good analytical technique and to acquire accurate, precise data.
June 4–June 29, M T W TH F, 4:00-6:00 p.m.
Kenneth Mets

CHEM 335301 Analytical Chemistry Laboratory
Corequisite: CHEM 3351
Laboratory required of all students enrolled in CHEM3351. Lab fee required.
June 4–June 29, M W F, 11:00 a.m.-3:00 p.m.
Kenneth Mets

COMMUNICATION

COMM 1030 Public Speaking
This course is an introduction to the theory, composition, delivery, and criticism of speeches. Attention is devoted to the four key elements of the speech situation: message, speaker, audience, and occasion. Emphasis in the course is also given to different modes of speaking and a variety of speech types, such as persuasive, ceremonial, and expository addresses. This is a performance course.
COMM 1030 01 May 15–June 21, T TH, 6:00-9:15 p.m.
Rita Rosenthal
COMM 1030 02 May 15–June 21, T TH, 6:00-9:15 p.m.
Ali E. Erol
COMM 1030 03 June 26–Aug 2, T TH, 6:00-9:15 p.m.
Joyce Lindmark

COMM 2210 Broadcast and Digital Communication
This course introduces the student to a broad sampling of broadcast and digital writing styles utilized across many industry platforms. Areas of focus include news, sports, documentaries, commercials, public service announcements, educational television, and writing for specialized audiences. The theories, ethics and practices of this genre of communication will be introduced as well as interview methods and techniques. Case studies and practical assignments complement classroom discussions. Instructor is an industry veteran with expertise in how to apply classroom theory to practice.
COMM 2210 01 May 16–June 20, M W, 6:00-9:15 p.m.
Christine Caswell
COMM 2210 02 June 25–Aug 1, M W, 6:00-9:15 p.m.
Christine Caswell

COMM 227801 Social Media
This course examines the cultural, economic and political aspects of emerging computer-mediated communication technologies known as "social media," including Facebook, Twitter, YouTube, Instagram and more. Students will critically interrogate the impact of social media on relationships, identity, social/political movements, branding/marketing, and everyday practices. Course will also cover practical social media skills with assignments and activities involving hands-on experience using social media technologies to create and distribute content.
June 26–Aug 2, T TH, 6:00-9:15 p.m.
Marcus Breen
This course provides an introduction to the study of crime, the social context of crime, including examination of how television networks make business decisions. In addition to lectures and screenings, the class includes a variety of practical exercises and guest speakers from across the entertainment industries.

**COMM 230801 Entertainment Media**
Focuses on the study of entertainment media from historical, critical and practical perspectives. Topics include film history, broadcast history, video games, screenwriting, the Internet, and sports media. Projects include film reviews, short screenplays and analyses of how television networks make business decisions. In addition to lectures and screenings, the class includes a variety of practical exercises and guest speakers from across the entertainment industries.

*May 16–June 20, M W, 6:00-9:15 p.m.*
Matt Sienkiewicz

**COMM 444901 Crisis Communication**
This course is designed to examine events and situations that potentially threaten the viability of an organization. Attention is devoted to developing an effective crisis communication plan, speaking to multiple stakeholders, decision-making under pressure, and resolving—rather than litigating—organizational problems. Among the studies examined are the Tylenol product tampering incident, the Exxon Valdez accident, the Union Carbide gas leak, the Challenger Space Shuttle disaster, the Three Mile Island accident, and the Pepsi syringe hoax.

*June 25–Aug 1, M W, 6:00-9:15 p.m.*
Donald Fishman

**EARTH AND ENVIRONMENTAL SCIENCES**

**EESC 114001 Our Mobile Earth**
This course will provide you with an introduction to the structure of Earth and the dynamic processes that continuously shape and remodel its surface. During class, we will discuss the formation and evolution of the oceans and continents within the framework of the modern theory of plate tectonics. The locations, causes and effects of earthquakes and volcanoes are presented. The dynamics within Earth which drive the tectonic plates are outlined.

*May 15–June 21, T TH, 9:30 a.m.-12:45 p.m.*

**EESC 116301 Environmental Issues and Resources**
Course includes three themes: (1) Intro to Environmental Geology, (2) How to write well and how to write field trip reports, (3) How to use Google Earth to understand Earth Materials and Processes. Learn about the major processes at work inside and on the surface of the earth. Learn to be a careful observer and to write succinct field trip reports, through two field trips and the writing of a field trip report. Each class is designed to examine the facts, historical background, and through in-class exercises, homework and field trips, provide experience in analyzing and solving real-world problems associated with environmental issues, resources and sustainability. Demonstrations, videos, readings, and online Google Earth exercises, done remotely, will introduce the power of this geographic application to understanding geology.

*June 26–Aug 2, T TH, 6:00-9:15 p.m.*
Kenneth Galli

**ENVS 332101 Building Sustainable Communities - Detroit and Boston**
"Domestic Study" course - takes place on-site IN DETROIT and IN BOSTON and also online before and after the trip. This course will investigate contemporary urban environments through the eyes of urban farmers and community innovators who are building more equitable communities and sustainable relationships with the land. Fieldwork, class discussions, environmental media, and workshops with community partners will facilitate our engagement with sustainability narratives and practices. Course themes include the urban planning and racial politics, challenges and opportunities of deindustrialization, the environmental justice movement, youth education, organizational development, and community-based urban transformation.

*May 21–June 22, both ONSITE and online:*
May 21 - May 28 Online
May 29 - June 4 On-site in Boston
June 5 - June 12 On-site in Detroit
June 13 - June 22 Online

Mike Germak and Matt DelSesto
ECONOMICS

ECON 1131 Principles of Economics I — Micro
This course is an analysis of prices, output, and income distribution through the interaction of households and businesses in a modern Western economy. The appropriate role of government intervention is examined, and basic analytical tools are applied to current economic problems.
ECON 1131 01 May 16–June 20, M W, 6:00-9:15 p.m.
Zhu Zhu
ECON 1131 02 Hybrid , June 25–Aug 1, M W, 6:00-9:15 p.m.
Zhu Zhu

SECTION 02 - HYBRID which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
ECON 1131 03 June 26–Aug 2, T TH, 6:00-9:15 p.m.
Vera Sharunova

ECON 1132 Principles of Economics II — Macro
This course is an analysis of national income and employment, economic fluctuations, monetary and fiscal policy, inflation, growth, and international aspects of macroeconomic policy.
ECON 1132 01 May 15–June 21, T TH, 6:00-9:15 p.m.
Marco Brianti
ECON 1132 02 June 26–Aug 2, T TH, 1:00-4:15 p.m.
Xirong Lin
ECON 1132 03 June 26–Aug 2, T TH, 6:00-9:15 p.m.
Marco Brianti

ECON 336101 Monetary Theory and Policy
Prerequisite: Macroeconomic Theory
An analysis of the operation and behavior of financial markets and financial institutions. Emphasis is placed on financial intermediaries, including commercial banks and the central bank. The money supply process and alternative theories of the demand for money are considered, as well as their implications for monetary policy and macroeconomic performance.
June 25–Aug 1, M W, 6:30–9:45 p.m. (note times)
Hossein S. Kazeremi

ECON 336501 Public Finance
Prerequisite: Microeconomic Theory
This is a course in the microeconomics of the public sector. We will discuss the rationale for the government's role in a market economy, major expenditure programs, and the theory and structure of the tax system. The focus will be on the federal (as opposed to state and local) government’s expenditure and tax programs, with special attention given to topics of current concern.
May 16–June 20, M W, 6:00-9:15 p.m.
Mark Kazarosian

ENGLISH WRITING

ENGL 101002 First Year Writing Seminar
This is a hybrid course, which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.

ENGL 333701 Writing Wilderness - White Mountains, NH
“Writing Wilderness” is a multi-genre, introductory-level, creative writing course. A key element in this course will be the immersion of students in an environment that stimulates fresh perspectives to explore place through writing. The course will use the workshop model of sharing writing drafts with peers and the instructor to gain feedback before revising and working toward a portfolio of polished work. Writing prompts will encourage students to examine Americans’ relationship to “nature” as it has been experienced from “taming” the wilderness through the development of cities, suburbs, farming, and rural communities. Literary models ranging from Henry David Thoreau, Walt Whitman, Emily Dickinson, Gary Snyder, Wendell Berry, Annie Dillard, Barry Lopez, Michael Pollan, and others, will be used not only to provide social and historical context for the shifting meanings we’ve assigned our landscapes, but also to exemplify craft strategies students can analyze and practice in their own writing.
June 19- June 29, Suzanne Matson
(See BC Summer website for details)

LITERATURE

ENGL 1080 Literature Core
In Literature Core, students explore the principal motives which prompt people to read literature: to assemble and assess the shape and values of one’s own culture, to discover alternative ways of looking at the world, to gain insight into issues of permanent human importance as well as issues of contemporary urgency, and to enjoy the linguistic and formal satisfactions of literary art. Literature Core will strive to develop the student’s capacity to read and write with clarity and engagement, to allow for that dialogue between the past and present we call history, and to provide an introduction to literary genres.
ENGL 1080 01 June 25–Aug 1, M W, 6:00-9:15 p.m.
Susan Roberts
ENGL 1080 02 May 16–June 20, M W, 10:00 a.m.-1:15 p.m.
Rowena Clarke
FILM AND FINE ARTS

FILM 227901 Social Issues in Literature and Film
This course will examine the effective use of the visual image to portray social issues of the twentieth and twenty-first centuries. Topics such as the inequalities of race, gender, and religion will be the focus. Written accounts (short stories and newspaper articles) will offer further interpretations of these subjects.
June 25–Aug 1, M W, 6:00-9:15 p.m.
John Michalczycy and Susan Michalczycy

FILM 228301 History of European Cinema
This course is designed to give an overview of several European film movements treated chronologically. Films, readings, discussions and critiques/papers will help develop a critical awareness in students of the film process as well as the content of these movements with contemporary parallels. The movements themselves will be situated in their historical and socio-political context.
May 16–June 20, M W, 6:00-9:15 p.m.
John Michalczycy and Susan Michalczcy

ARTS 110105 Drawing I: Foundations
The use of line, plane, and volume is explored to develop the student’s comprehension of pictorial space and understanding of the formal properties inherent in picture making. Class work, critiques, and discussions will be used to expand the student’s preconceived ideas about art. This course incorporates historical components and writing assignments. Lab fee required.
June 25–Aug 1, M W, 2:00-5:15 p.m.
Brian Reeves

ARTS 225001 Intro to Digital Design
This course is an immersive project-based introductory overview of concepts, contexts, tools, and techniques useful in solving a wide range of contemporary design problems, including logos, business cards, propaganda posters, multi-page documents, data visualizations, web page designs, app wireframes, and proposals for site-specific graphics. Beyond the necessary focus on software, including Adobe InDesign, Illustrator, and Photoshop, the course will incorporate discussion and application of typography, color theory and other 2D design concepts affecting how subject matter is perceived. Students will solve problems on behalf of themselves and choose one or more other clients whom they’ll strive to serve.
May 16–June 20, M W, 2:00-5:00 p.m.
No Class on Monday May 21, Commencement Day
Brian Reeves

ARTS 227601 Art and Digital Technology
This introductory course will offer students the opportunity to develop their visual imagination and their artistic skills through the use of digital technology. Adobe Photoshop and preliminary work with Illustrator will offer the principles of composition and two-dimensional design. Computer-aided drawing and design, as well as photo imaging, will be an integral part of the course. The various skills of graphic expression learned in the course will have an Internet application.
May 15–June 21, T TH, 2:00-5:15 p.m.
Greer Muldooney

ARTH 110202 Art: Renaissance to Modern Times
This is the fundamental course for understanding the visual arts: painting, sculpture and architecture. The major monuments in the history of art will be discussed in their historical and cultural context beginning with the Renaissance in Europe down to the art of our own time. The emphasis will be on style and meaning in art. Class meets for two slide lectures per week. Assignments will include museum visits and study of significant works of art in Greater Boston.
June 25–Aug 1, M W, 9:00 a.m.-12:15 p.m.
Timothy Orzeg

FINANCE

MFIN 102201 Fundamentals of Finance
In this course, you will learn how to value things that cost money and provide value in return (stocks, bonds, projects, mortgage payments...). It will be a useful introduction to finance thought. We will look at the interpretation of financial statements, the time value of money and how it applies to security valuation and capital budgeting. We will also examine the risk/return trade-off and the efficient markets hypothesis. We will also look at the cost of capital, capital structure, working capital management and touch on international finance.
May 16–June 20, M W, 6:00-9:15 p.m.
Siyi Shen and Hugo Benedetti

HISTORY

HIST 102701 Modern History I
This is the first of two courses that survey the historical development of Europe from the Renaissance to the present, with the intention of explaining how the unique Western society in which we live today came into being. The great expansion of European power and culture since 1500 has made the development of Europe a key to understanding the modern world as a whole. Particular emphasis is placed on political, diplomatic, and cultural factors, but social, economic and religious aspects are also covered. This course will cover the period from the Renaissance through the French Revolution.
May 16–June 20, M W, 6:00-9:15 p.m.
Martin Menke

HIST 102801 Modern History II
This is the second of two courses that survey the historical development of Europe from the Renaissance to the present, with the intention of explaining how the unique Western society in which we live today came into being. The great expansion of European power and culture since 1500 has made the development of Europe a key to understanding the modern world as a whole. Particular emphasis is placed on political, diplomatic, and cultural factors, but social, economic and religious aspects are also covered. This semester will cover the period from the fall of Napoleon to the present.
June 25–Aug 1, M W, 6:00-9:15 p.m.
Michael Franczak

HIST 103901 The West and the World: 1500-1789
The past five hundred years witnessed the rise to power and prosperity of Western societies. This course examines the significance of the beginning of global relationships. Includes issues in early modern European history, as well as early exploration, the colonization of America, the African slave trade and the Atlantic economic dependency.
June 26–Aug 2, T TH, 6:00-9:15 p.m.
John Morton

HIST 104001 The West and the World Since 1789
This is the second of two courses that survey the historical development of Europe from the Renaissance to the present, with the intention of explaining how the unique Western society in which we live today came into being. The great expansion of European power and culture since 1500 has made the development of Europe a key to understanding the modern world as a whole. Particular emphasis is placed on political, diplomatic, and cultural factors, but social, economic and religious aspects are also covered. This course will cover the period from the fall of Napoleon to the present.
May 15–June 21, T TH, 6:00-9:15 p.m.
Felix Jimenez
2018 Summer Undergraduate Courses

HIST 108101 Modern History I
This course covers several centuries of time (prior to 1800) and traces the political, social, economic, and cultural changes that created the modern world. Depending on the expertise of the instructor, different parts of the world may serve as focal points for examining the complex historical processes behind modern-day transnational relationships, values, and ideas. As part of the Core Curriculum, this course seeks to broaden students’ intellectual horizons by exposing them to new places, periods, and perspectives.
May 15–June 21, T TH, 9:00 a.m.-12:15 p.m.
Matthew Deleaux

HIST 108201 Modern History II
This is a hybrid course, which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
This course covers several centuries of time (prior to 1800) and traces the political, social, economic, and cultural changes that created the modern world. Depending on the expertise of the instructor, different parts of the world may serve as focal points for examining the complex historical processes behind modern-day transnational relationships, values, and ideas. As part of the Core Curriculum, this course seeks to broaden students’ intellectual horizons by exposing them to new places, periods, and perspectives.
June 26–Aug 2, T TH, 9:00 a.m.-12:15 p.m.
Matthew Deleaux

HIST 285201 Colonial Latin America, 1400-1820s
This class is a survey of three centuries, from the initial encounter on New World soil of Iberian, African, and native cultures, to the birth of independent culturally- and racially-mixed nations. Our emphasis is on the patterns of conquest and cultural encounter, the processes of colonial rule, the nature of interaction between social groups, and on the cultural impact of the colonial experience upon all Latin American peoples. We study the institutions, cultures, attitudes, and fortunes of Spaniards and Portuguese; African slaves and free blacks; Nahuas and Aztecs, Mayas, and Incas; we discover the roles played in colonial society by a wide variety of peoples, from an African slave on a Brazilian sugar plantation to a Spanish high society woman in Lima to the black and native workers in an Ecuadorian tannery to an Aztec nobleman in Mexico City. The people who lived in colonial Latin America are given a chance to speak for themselves as much as possible; most of the books you will read feature contemporary documents translated from Spanish, Portuguese, and various native languages.
May 16–June 20, M W, 6:00-9:15 p.m.
Mark Christensen

HIST 283001 History of Boston’s Neighborhoods
An historical look at Boston explores parts of its “neighborhoods,” including the old West End, the South End, the North End, South Boston, East Boston, Charlestown, Dorchester, Roxbury, Jamaica Plain, Mattapan, Hyde Park, and West Roxbury. Walking and bus tours are planned during the regular class meetings.
May 15–June 21, T TH, 6:00-9:15 p.m.
Chris Hannan

HIST 287301 The Modern Presidency, 1932-2018
This course examines the single most important position of power in our political system, the men who shaped it, and the elections that placed them in that office. The main focus is on the twentieth century.
June 25–Aug 1, M W, 8:30-11:45 a.m.
Alex Bloom

INFORMATION SYSTEMS

ADIT 130001 Coding Boot Camp
During this two-week summer coding boot camp (which is followed by self-paced online exercises to be completed at your own pace, on your own schedule, through the end of June) students are taught the fundamentals of coding using HTML, the markup language that every Web site and many mobile phone apps are built with, and the industry-standard JavaScript programming language. Designed specifically for individuals who have never programmed before (or have very little prior experience), this camp teaches participants how to create their own Web sites from scratch and how to bring them to life with JavaScript. No auditors.
June 11–June 22, M T W TH F, 1:00-4:00 p.m.
Aaron Walsh and Barbara Mikolajczak

ADIT 134101 Social Media: To The Web and Beyond
This course addresses current and forthcoming Social Media technologies, Web sites, software programs and mobile apps (iPhone and Android apps) with a special focus on privacy and security. Rich and interactive forms of communication, collaboration, and socialization are the heart of Social Media, but come at a price: privacy breaches, identity theft, cyber-stalkers and “online addictions” are among the many issues that we must grapple with. In this unique course students learn how to harness the power of Social Media while protecting themselves and guarding their privacy.
Technologies covered in this course include Social Networking (Facebook, Google+, LinkedIn, Tinder, Snapchat, etc.); video and photo sharing (YouTube, Vimeo, Twitch, Instagram, Imgar, etc.); video games and virtual worlds (Minecraft, World of Warcraft, League of Legends, Second Life, etc.), as well as a forthcoming generation of Social Media technologies. No auditors.
ONLINE June 26–Aug 2, T TH, 6:00-9:15 p.m.
Barbara Mikolajczak

MEETS ONLINE ON TUESDAYS AND THURSDAYS
FULLY ONLINE Synchronous - Day and time are specific; students must participate weekly per all communications and instructions from the professor, must adhere to course schedule, and submit all course work on time.

JOURNALISM

ADJO 223001 Of Human Interest: Writing Stories That Matter
To be a nonfiction writer is to be granted a license to explore the world and to describe it in a way that helps readers see that world more clearly. The goal of this course is to expand your powers of self-expression, whether you’re writing a movie review, a personality profile, a trend piece, a speech, or a personal essay. We will learn how to use narrative techniques to add power to your writing and tap into your inner storyteller. By the end of the course, you will possess the craft skills and the vocabulary to write stories that matter.
May 16–June 20, M W, 9:00 a.m.-12:15 p.m., Don Aucoin
No Class on Monday May 21, Commencement Day

ADJO 334901 Politics and the Media: Power and Influence
This is a hybrid course, which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
An analysis of mass media’s impact on the workings of the American system. The media’s interaction and influence on political institutions, on the presidential selection process, on national and international events, on office holders, politicians, heads of state and the treatment of economic upheaval and violence are analyzed. Considers the media’s role in the coverage of war, especially in a terrorist world.
May 16–June 20, M W, 6:00-9:15 p.m., Marie Natoli
LANGUAGES AND LITERATURE

FOREIGN LITERATURE IN ENGLISH

RLRL 102001 The Drama of Immigration in Contemporary Spanish and Latin American Literature and Film
(All in English)
The experiences of the displaced, the exile and the immigrant have inspired great literature and cinema in the Spanish speaking world. This course will delve into a variety of narratives about the perilous journeys of Central Americans and Mexicans making their way to the North, the terrifying voyages of the brave and desperate people crossing to Spain from North Africa, and the struggle to adapt to new social, cultural and linguistic realities. Students will read, in English translation, short stories, short novellas, and first-hand accounts of immigrant experiences and watch several Spanish-language movies with English subtitles. All class discussions and assignments will be in English.

June 26–Aug 2, T TH, 6:00-9:15 p.m.
Christopher Wood

SPANISH

SPAN 101501 Elementary Spanish I
This introductory course is designed for students with no prior Spanish experience as well as those who have had some high school Spanish. Elementary Spanish I provides a strong foundation in speaking, listening comprehension, reading and writing as well as exploring the products, practices and perspectives that are unique to Hispanic cultures. This course follows a communicative approach, which springs from the idea that languages are best learned when real-world information becomes the focus of student activities. Students will interact in Spanish with the instructor and with classmates. By the end of this course, students should be able to successfully handle in Spanish a significant number of basic communicative tasks.

June 25–July 12, M T W TH, 6:00-9:15 p.m.
Silvana Falconi

SPAN 101601 Elementary Spanish II
Elementary Spanish II continues to provide a strong foundation in speaking, listening comprehension, reading and writing as well as exploring the products, practices and perspectives that are unique to Hispanic cultures. This course follows a communicative approach, which springs from the idea that languages are best learned when real-world information becomes the focus of student activities. Students will interact in Spanish with the instructor and with classmates. By the end of this course, students should be able to successfully handle in Spanish a significant number of basic communicative tasks in different time frames.

July 16–Aug 2, M T W TH, 6:00-9:15 p.m.
Silvana Falconi

SPAN 1115 Intermediate Spanish I
Intermediate Spanish I is the first course in the second-year sequence. It continues to develop and strengthen students’ proficiency in the Spanish language as well as to increase their cultural understanding. Emphasis remains on the four skills and on critical thinking. Throughout the course, students will develop fluency and accuracy, and focus on communication. They will expand the vocabulary and enhance their understanding of essential Spanish grammar concepts. Short literary texts, cultural readings and audiovisual materials will provide opportunities to learn to appreciate of cultural differences and impart authentic insight into the Hispanic world.

SPAN 1115 01 June 25–July 12, M T W TH, 6:00-9:15 p.m., María Martín de Nicolas
SPAN 1115 02 June 25–July 12, M T W TH, 6:00-9:15 p.m., Pauline Canales Bustamante

SPAN 1116 Intermediate Spanish II
Intermediate Spanish II is the second course in the second-year sequence with a continued emphasis on the four skills and on critical thinking. This course focuses on vocabulary building, the examination of some of the finer grammar points, and moving students towards a more complex level of comprehension and expression. Students work with short literary texts, cultural readings and audiovisual materials.

SPAN 1116 01 July 16–Aug 2, M T W TH, 6:00-9:15 p.m.
Daniel Cuenca
SPAN 1116 02 July 16–Aug 2, M T W TH, 6:00-9:15 p.m.
Barbara Sargent

MATHEMATICS

MATH 1004 Finite Probability and Applications
This course is an introduction to finite combinatorics and probability, emphasizing applications. Topics include finite sets and partitions, enumeration, probability, expectation, and random variables.

MATH 1004 01 June 25–Aug 1, M W, 6:00-9:15 p.m.
The Department
MATH 1004 02 June 26–Aug 2, T TH, 6:00-9:15 p.m.
The Department

MATH 1100 Calculus I
Prerequisite: Trigonometry
MATH 1100 is a first course in the calculus of one variable intended for biology, computer science, economics, management, and premedical students. It is open to others who are qualified and desire a more rigorous mathematics course at the core level. Topics include a brief review of polynomials and trigonometric, exponential, and logarithmic functions, followed by discussion of limits, derivatives, and applications of differential calculus to real-world problem areas. The course concludes with an introduction to integration.

MATH 1100 01 May 16–June 22, M W F, 9:00-11:15 a.m.
No Class on Monday May 21, Commencement Day
W. Spencer Leslie
MATH 1100 02 June 26–Aug 2, T TH, 6:00-9:15 p.m.
Mustafa Cengiz

MATH 110101 Calculus II
MATH 1101 is a second course in the calculus of one variable intended for biology, computer science, economics, management, and premedical students. It is open to others who are qualified and desire a more rigorous mathematics course at the core level. Topics include an overview of integration, basic techniques for integration, a variety of applications of integration, and an introduction to (systems of) differential equations.

June 25–Aug 2, M W TH, 9:00-11:15 a.m.
Kyle Hayden

MATH 221001 Linear Algebra
This course is an introduction to the techniques of linear algebra in Euclidean space. Topics covered include matrices, determinants, systems of linear equations, vectors in n-dimensional space, complex numbers, and eigenvalues. The course is required of mathematics majors and minors, but is also suitable for students in the social sciences, natural sciences, and management.

June 25–Aug 2, M W TH, 4:00-6:15 p.m.
Jamison Wolf

MATH 3353 Statistics
Introductory course in inferential statistics covering the description of sample data, probability, the binomial and normal distribution, random sampling, estimation and hypothesis-testing. Designed for students in business, nursing and the social sciences.

MATH 3353 01 May 16–June 20, M W, 6:00-9:15 p.m.
Marie Clote
MATH 3353 02 June 25–Aug 1, M W, 6:00-9:15 p.m.
Dan Chambers
PHILOSOPHY

PHIL 1070 Philosophy of the Person I
This course introduces students to philosophical reflection and to its history through the presentation and discussion of the writings of major thinkers from ancient, medieval, modern, and contemporary periods. The course is designed to show how fundamental and enduring questions about the universe and about human beings recur in different historical contexts. Emphasis is given to ethical themes, such as the nature of the human person, the foundation of human rights and corresponding responsibilities, and the problems of social justice.

PHIL 1070 01 May 16–June 20, M W, 6:00-9:15 p.m.
Vicente Munoz-Reja

PHIL 1070 02 May 15–June 21, T TH, 6:00-9:15 p.m.
Tyler Viale

PHIL 1071 Philosophy of the Person II
This course introduces students to philosophical reflection and to its history through the presentation and discussion of the writings of major thinkers from ancient, medieval, modern, and contemporary periods. The course is designed to show how fundamental and enduring questions about the universe and about human beings recur in different historical contexts. Emphasis is given to ethical themes, such as the nature of the human person, the foundation of human rights and corresponding responsibilities, and the problems of social justice.

PHIL 1071 01 June 25–Aug 1, M W, 6:00-9:15 p.m.
Vicente Munoz-Reja

PHIL 1071 02 June 26–Aug 2, T TH, 6:00-9:15 p.m.
Tyler Viale

PHIL 108601 Ethical Identities and Personhood
This course explores contemporary approaches to personhood, including philosophical, theological, and scientific contributions to concepts such as uniqueness and particularity, subjectivity and desire, relationality and communion; freedom and ethical responsibility. In the second half of this course, we address the implications of our investigations to specific contemporary issues, including the influence of technology (e.g. social media, artificial intelligence), market economies, and consumerism on our self-understanding as persons and ethical beings. Throughout this course, we will continually return to two fundamental questions: 1) Who am I? and 2) Who should I become? Our readings and class discussion will assist in formulating answers to these fundamental questions, helping to uncover some of the hidden assumptions guiding our understanding of ourselves. No special background in philosophy will be assumed for this introductory course.

May 15–June 21, T TH, 6:00-9:15 p.m.
Matthea Clemente

PHIL 125201 Practical Logic
This is a hybrid course, which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information. A course not in the "new logic" (symbolic, or mathematical, logic) but in the "old logic" (ordinary language logic) invented by Aristotle and used for 2300 years in all the humanities. Includes such topics as definition, contradiction, syllogisms, implied premises, induction, and analogy. The course includes the commonsensical philosophical bases for this logic and also many practical applications to reading, interpreting, evaluating, and inventing arguments, especially in dialogs. Weekly quizzes, extra credit opportunities, and a take-home final exam.

June 26–Aug 2, T TH, 6:00-9:15 p.m.
Matthea Clemente

PHIL 151001 Introduction to Ethics
What does it mean to be good, virtuous, or just? To what extent are we responsible or not responsible for our actions? How have our ethical values been established by society in the past? On what basis should our ethical values be established in the future? What are reasonable moral expectations we can have of other people? These are a few of the issues that will be discussed as students are introduced to some of the main schools of ethical thought in the Western philosophical tradition. We will examine works by Plato, Aristotle, Augustine, Kant, Nietzsche, Rawls, and Martin Luther King, Jr. We will also use a few works of literature to reflect further on ethical ideas raised in the course.

June 26–Aug 2, T TH, 6:00-9:15 p.m.
Deborah DeChiara-Quenzer

PHIL 226501 Foundations of Bioethics
The course is a multilayered approach to bioethics, from the philosophical underpinnings to the application of theory to central challenges in bioethics and, beyond, to law and policy. The course will combine readings from original texts, theoretical critiques, legal and policy approaches to subject matter areas, and examination of other critical forces such as social science and religion, that have shaped contemporary bioethics. The courses will combine lecture and discussion formats with a strong emphasis on student participation.

May 15–June 21, T TH, 1:00-4:15 p.m.
Timothy Furlan

PHIL 228701 The Meaning of Work and Leisure
We spend much of our lives working, or preparing ourselves to work. We spend much of the rest of our time pursuing leisure. But what are our goals in doing so? For example, how important is it for our work to be meaningful? Is leisure simply the absence of work, or should it be something more? And what role do each of these play in a fulfilling life? From Aristotle to Marx, from Genesis to Seneca, from Max Weber to Hannah Arendt, this course will study various accounts of what work and leisure have been, and what their ideal forms might be. The course will conclude by considering the coming age of technologically automated physical and mental labor, and its impact on the future of work and leisure.

June 25–Aug 1, M W, 6:00-9:15 p.m.
Jon Burmeister

PHIL 447001 Philosophy of World Religions
The purpose of this course is as follows: (1) to familiarize students with the teachings of each of the world’s major religions; (2) to understand, empathize with, and appreciate them; (3) to appreciate one’s own religion (or lack of one) better by comparison; (4) to philosophize critically and rationally about a subject that is not in itself critical and rational; and (5) to question and search for a universal nature of core of religion, if possible.

May 15–June 21, T TH, 6:00-9:15 p.m.
Peter Kreft

PHYSICS

PHYS 210001 Introduction to Physics I (Calculus)
Prerequisite: Calculus I; may be taken concurrently.
Corequisite: PHYS 2110
4 Credits
A calculus-based introduction to physics primarily for biology majors and premedical students. The development and application of classical physical principles are covered, and students are introduced to more advanced mathematical techniques to extend these applications. Emphasis is placed on problem-solving to better understand the implications of these principles, as well as to develop analytical skills. Topics include classical mechanics, including Newton’s laws, energy, rotational motion, hydrostatics and fluid dynamics, oscillations, waves, and gravitation.

June 4–June 28, M T TH, 6:00-10:00 p.m.
Jan Engelbrecht
PHYS 205001 Introductory Physics Laboratory I

1 Credit
A laboratory course that provides an opportunity to perform experiments on topics in mechanics and acoustics. Lab fee required.

June 4–June 28, M T TH, 4:00-5:50 p.m.
Andrzej Herczynski

PHYS 210101 Introduction to Physics II (Calculus)
Corequisite: PHYS 2111
4 Credits
Second session of a calculus-based introduction to physics primarily for biology majors and premedical students. The development and application of classical physical principles are covered, and students are introduced to more advanced mathematical techniques to extend these applications. Emphasis is placed on problem-solving to better understand the implications of these principles, as well as to develop analytical skills. Topics are electrostatics, electrical circuits, magnetism, electromagnetism and electromagnetic waves, and topics in physical optics, and basic concepts of special relativity and quantum physics.

July 2–July 26, M T TH, 6:00-10:00 p.m.
Christian Engelbrecht

PHYS 205101 Introductory Physics Laboratory II
1 Credit
A laboratory course that provides an opportunity to perform experiments on topics in electricity and magnetism and physical optics. Lab fee required.

July 2–July 26, M T TH, 4:00-5:50 p.m.
Andrzej Herczynski

PHYS 211001 Introduction to Physics I Recitation
Corequisite: PHYS 2100
0 Credit
Problem solving and discussion of topics in a small-class setting. Two meetings per week.
June 5–June 26 T TH, 2:00-2:40 p.m.
The Department

PHYS 211101 Introduction to Physics II Recitation
Corequisite: PHYS 2101
0 Credit
Problem solving and discussion of topics in a small-class setting. Two meetings per week.
July 3–July 24, T TH, 2:00-2:40 p.m.
The Department

POLITICAL SCIENCE

POLI 104101 Fundamental Concepts of Politics
An introduction to the study of politics through a consideration of some of the basic elements associated with governing: the political association, justice, constitutions, equality, liberty, conflict among citizens and between citizens and governments, conflict among governments. Emphasis is on interesting and important readings, discussion, and writing.

May 15–June 21, T TH, 6:00-9:15 p.m.
Andrew Bozen

PSYCHOLOGY

PSYC 112001 Introduction to Behavioral Statistics and Research I
This course is intended to provide students with an introduction to statistics used in the behavioral sciences. Students will be introduced to the most common topics and procedures in descriptive and inferential statistics. Throughout the course, the statistical topics will be discussed within the context of behavioral research, providing students with an overview of some common research designs. Topics will include descriptive statistics, data displays, probability, t-tests, and one-way ANOVA.

May 15–June 21, T TH, 6:00-9:15 p.m.
Karina Hamamouche

PSYC 2234 Abnormal Psychology
This course provides an introduction to the field of abnormal psychology. Major topics include theoretical and empirical approaches to the study of psychopathology; assessment and diagnosis of abnormality; and psychological, behavioral, biological, and sociocultural characteristics of the major syndromes of psychopathology. Legal and ethical issues and current approaches to the treatment and prevention of psychological disorders will also be discussed.

PSYC 2234 01 May 15–June 21, T TH, 11:00 a.m.-2:15 p.m.
Marilee Ogren

PSYC 2234 02 June 26–Aug 2, T TH, 11:00 a.m.-2:15 p.m.
Marilee Ogren

PSYC 224201 Personality Theories
This course introduces students to a variety of theoretical approaches to the understanding of character and personality.

June 26–Aug 2, T TH, 8:15-11:30 a.m.
Donnah Canavan

PSYC 2269 Child Development
How do young children learn to speak a language or how to count? How do young children perceive their environment and develop emotional understanding? Course will serve as an introduction to developmental psychology, cover a broad range of topics from prenatal development to language development in childhood, and will discuss developmental theories, past and current findings, and methods used in developmental research. By the end of this course, students will have a broad understanding of child development and the methods used to complete developmental studies.

PSYC 2269 01 May 15–June 21, T TH, 12:00-3:15 p.m.
Suacee Santos Topper

PSYC 2269 02 Hybrid, June 26–Aug 2, T TH, 6:00-9:15 p.m.
Karina Hamamouche

SECTION 02 is HYBRID which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.

PSYC 227201 Cognitive Psychology: Mental Processes and their Neural Substrates
This course introduces the scientific study of mental function from an information processing perspective. The course examines how information is processed and transformed by the mind to control complex human behavior. Specific topics include the history of cognitive psychology, cognitive neuroscience, attention, perception, consciousness, short-term and long-term memory, mental imagery, language, decision-making, and problem solving. Course material will be drawn from work with clinical populations (e.g., people who have sustained brain injury) as well as from work with non-injured populations. Class sessions will be devoted to lecture, discussion, demonstrations, and (if practical) student presentations.

May 16–June 20, M W, 8:15-11:30 a.m.
No Class Monday May 21, Commencement Day
Sean MacEvoy

PSYC 228101 Sport Psychology
This course is a survey of theories and applications of sport and exercise psychology as a science and a practice. The course will examine cognitive, affective, behavioral, and developmental considerations in sport and physical activity. Topics may include: individual aspects such as personality, motivation, and anxiety; social processes such as team cohesion and group dynamics; and mental skills training areas such as confidence, imagery, goal-setting, and concentration.

May 16–June 20, M W, 12:00-3:15 p.m.
No Class Monday May 21, Commencement Day
Kristina Moore
SOCIETY

SOCY 1001 Introductory Sociology
This course conveys a sense of the history of sociology and introduces students to the most essential concepts, ideas, theories, and methods of the discipline. Special topics may include insights on everyday life, sociology of the family, gender roles, race and ethnic relations, and the sociology of work, among others. We will deal with fundamental questions about what it means to be a human being living in a society at a given moment in history.

SOCY 1001 02 May 15–June 21, T TH, 10:30 a.m.-1:45 p.m.
Maheen Haider
SOCY 1001 03 Hybrid , June 26–Aug 2, T TH, 10:30 a.m.-1:45 p.m.
Isak Ladegaard

SECTION 03 -HYBRID which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.

SOCY 104902 Social Problems
This course is an exploration of different sociological approaches to the study of social problems and social trends in contemporary society. It examines the linkages between social structures/institutions, culture and human experience. The course emphasizes theoretical research issues, especially how, and to what degree, the understanding of social problems is a direct result of the processes used to define social problems as well as the research methods and procedures used to investigate them. Students will learn to critique popular discourses from a critical sociological perspective and will be encouraged to form their own opinions and critiques.

June 26–Aug 2, T TH, 10:30 a.m.-1:45 p.m., Sanamath Eddy

SOCY 221501 Social Theory
This course focuses on the major lines of classical sociological theory, especially the writings of Marx, Weber, and Durkheim. The application of these theoretical foundations to contemporary problems (racism, gender inequality, LGBTQ rights, Islamophobia) will draw on commentary from multiple media sources.

May 15–June 21, T TH, 6:00-9:15 p.m., Jeremiah Morelock

SOCY 330701 Race in the Criminal Justice System
This class will examine the growth of the prison system and its relationship to structural racism in the United States. Students will examine the historical context in which the prison system was created and privatized, with specific reference to desegregation and changes in the United States’ immigration and national security policies. A heavy emphasis will be placed on differences in how deviance is defined for peoples of different races, genders, classes and sexual orientations.

May 15–June 21, T TH, 6:00-9:15 p.m., Cedric Simmons

SOCY 332101 Building Sustainable Communities - Detroit and Boston
'Domestic Study' course - takes place on-site IN DETROIT and IN BOSTON and also online before and after the trip. See details and dates on the BC Summer website.

This course will investigate contemporary urban environments through the eyes of urban farmers and community innovators who are building more equitable communities and sustainable relationships with the land. Fieldwork, class discussions, environmental media, and workshops with community partners will facilitate our engagement with sustainability narratives and practices. Course themes include the urban planning and racial politics, challenges and opportunities of deindustrialization, the environmental justice movement, youth education, organizational development, and community-based urban transformation.

May 21–June 22, both ONSITE and online. See details and dates on the BC Summer website.
Matt DelSesto and Mike Cermak

THEOLOGY

THEO 100101 Biblical Heritage I
The Bible has been an influential and often fundamental source for many modern, Western views of God, nature, human beings, a just society, and the origin and destiny of humanity and the world. An intelligent, serious reading of the Bible raises most of the perennial questions that have traditionally stood at the center of philosophical and theological debate.

May 16–June 20, M W, 6:00-9:15 p.m., Daniel Vos

THEO 100201 Biblical Heritage II
This is a hybrid course, which combines both in-person and online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.

This course considers significant questions in conversation with some of the most important writings in the tradition of Western Christian thought. Its purpose is to encourage students by drawing systematically on primary sources of historical significance to uncover the roots of the Christian faith and life and to delineate the values for which this tradition of faith stands.

THEO 101601 Introduction to Christian Theology I
This sequence of courses considers significant questions in conversation with some of the most important writings in the tradition of Western Christian thought. Its purpose is to encourage students by drawing systematically on primary sources of historical significance to uncover the roots of the Christian faith and life and to delineate the values for which this tradition of faith stands.

THEO 101701 Introduction to Christian Theology II
This sequence of courses considers significant questions in conversation with some of the most important writings in the tradition of Western Christian thought. Its purpose is to encourage students by drawing systematically on primary sources of historical significance to uncover the roots of the Christian faith and life and to delineate the values for which this tradition of faith stands.

THEO 116101 The Religious Quest: Comparative Perspectives I
The Religious Quest explores the individual and communal search for wisdom about human nature, the world, ultimate realities and God, and secrets of love and death, as well as enduring values to live by and paths to spiritual maturity.

Although each section is different, likely themes include symbols, myths, doctrines, rituals, holy texts, saints, comparisons and contrasts between traditions, relevance of classical religious traditions to issues in today’s world, interreligious dialogue today, and religious diversity in the Boston area. Brings the Biblical and Christian tradition into conversation with at least one other religious tradition.

THEO 116201 The Religious Quest: Comparative Perspectives II
The Religious Quest explores the individual and communal search for wisdom about human nature, the world, ultimate realities and God, and secrets of love and death, as well as enduring values to live by and paths to spiritual maturity.

Although each section is different, likely themes include symbols, myths, doctrines, rituals, holy texts, saints, comparisons and contrasts between traditions, relevance of classical religious traditions to issues in today’s world, interreligious dialogue today, and religious diversity in the Boston area. Brings the Biblical and Christian tradition into conversation with at least one other religious tradition.
GRADUATE SUMMER COURSES 2018

For any changes to course listings which were made after this catalog was printed, please consult the University’s online Course Information and Schedule, accessible through the BC Agora portal, or at: https://portal.bc.edu/portal/page/portal/Public/CourseInformationSchedulePublic

Please note: With a few exceptions, Master of Science courses are not offered on an open enrollment basis. You must be accepted into one of the Woods College Master's programs prior to registration.

LEADERSHIP AND ADMINISTRATION PROGRAM

CORE COURSES

ADGR 773001 Research Methods and Data Analysis * This course may be taken by non-degree students. * This course introduces students to basic social science research methods. The primary objective is for students to learn to read and evaluate research as well as create contributions to their chosen profession or field of research. By the end of the course, students will be more knowledgeable of basic research design and statistical methods. Additionally, students will better understand how to use research findings to improve and enhance their professional roles.
May 16–June 20, M W, 6:00–9:30 p.m.
Susan Bradley

ADGR 770401 Accounting and Financial Analysis I Financial statements, fundamental accounting concepts, procedures, terminology and contemporary financial reporting are introduced using state-of-the-art business software. The course develops a user perspective to accounting to better understand what the numbers say. Explores the accounting cycle, the various statements that are the product of the process and the implications the data carry. Reviews areas where alternative methods of reporting are allowed. Designed for those using, not preparing data. Little or no formal accounting background needed.
May 15–June 21, T TH, 6:00–9:30 p.m.
Jason Williams

ADGR 770801 Project Management * This course may be taken by non-degree students. * This course introduces students to the basic tenets and components involved in project management. The primary objective is to provide frameworks that make it possible to track and measure project performance, overcome challenges, and adapt to changes in a variety of professional environments. Specific topics covered in the course include project scope, time, cost, quality, human resources, communications, risk and stakeholder management and a variety of other operational issues that emerge during project planning, initiation, monitoring, and execution.
July 9–July 13, M T W TH F, 9:00 a.m–5:00 p.m.
Aza Chirkova and Charles Coakley

ADGR 777701 Evolution of Marketing Strategies in the Digital Era
This is a hybrid course, which combines some in-person and some online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information. The Tuesday class sessions will be conducted in person, and the Thursday class sessions will meet ONLINE.
A practical overview of the role and potential of marketing. Developing a market strategy to reach new and evolving markets depends on understanding emerging communication activities and styles, the accurate identification of needs, and expertise in generating and converting inquiries. Elements of a marketing strategy, including pricing, promotion, product decisions, and distribution are included. Creative development of the marketing mix utilizing traditional and interactive components. Strategy formulation and control of the marketing function in a digital world are emphasized.
June 26–Aug 2, T TH, 6:00–9:30 p.m.
Patricia Clarke

ADGR 778501 Leadership & Decision Making: Ignatian-Based Applied Ethics
This is a hybrid course, which combines some in-person and some online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
What role can ethics and morals play in influencing leaders? Too often, decisions are made based solely on numbers or shareholder value, and without reflection. Any collateral damage is then justified as being just the “cost of doing business.” We have an obligation to each other and to ourselves to personally engage and make decisions in a moral context. Using Ignatian discernment and values as a guide, this course will explore strategies and options for integrating values into leadership decision-making. Applying these strategies to real world case studies, we will develop tools to help navigate those situations where there is pressure to compromise values or disengage from our moral compass.
May 16–June 20, M W, 6:00–9:30 p.m.
Fr. Maurice Ashley Agbate Ebai and Fr. James Burns

ADGR 9902 Applied Research Project
The Applied Research Project for Leadership and Administration is designed to give students the opportunity to apply the knowledge they have acquired throughout their graduate program to real-world situations. The culmination of such knowledge will be directed at a final presentation and major paper. Also, the learning objectives of their particular MS specialization will be encapsulated through their in-depth, individualized research. An applied research project is meant to be a cumulative experience. As such this course provides opportunities for students to integrate knowledge from their core and concentration courses, to gain insight into the meaning of professionalism and professional practice, and to produce a research project that can be utilized in their current work setting to showcase their skills and talents. Alternatively it can also be used to highlight their background to prospective employers or in fields in which they have an interest but may not be currently employed.
HYBRID ADGR 9902 01 Hybrid, May 15–Aug 2, Monday 4:30–6:00 p.m.
David Goodman
HYBRID ADGR 9902 02 Hybrid, May 15–Aug 2, Tuesday 4:30–6:00 p.m.
Elisabeth Hiles

Sections 01 and 02 are HYBRID sections, which combine some in-person and some online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
ONLINE ADGR 9902 03 May 15–Aug 2
Jenny Gunn

Section 03 is FULLY ONLINE - Synchronous AND Asynchronous.
Asynchronous course with 5 synchronous sessions through the summer, exact dates TBA; students must ALSO participate weekly per all communications and instructions from the professor, must adhere to course schedule, and submit all course work on time.
ADGR 800601 Communication in a Global Work Environment
This is a hybrid course, which combines some in-person and some online class meetings. Refer to the course syllabus in Canvas and on the Woods College website for more detailed information.
Successful organizational leaders recognize the enormous impact of globalization, and the need to communicate and interact effectively within complex, multicultural work environments. Students will begin to think about how their work is viewed; learn to better understand subtle, cultural dynamics and nuances; and understand the significance of emotional intelligence. Students will address things that get in the way of clear communication like biases, judgments and assumptions about others. Students will also examine changes in how communications occur today through the loosening of grammatical standards and the implications of stripping formerly Face-to-Face or substantive communications with text or emoji-based symbols.
Topics include addressing how we shape our world view, the tension between “culture” as something fixed, and leaders as influencers of a collaborative culture. Media influences, nonverbal cues, and the formation of worldviews are examined. The course explores values, stereotyping and cultural biases through readings, assessment tools, case studies and presentations. A hybrid course utilizing required classroom attendance on specific dates (see syllabus). The other weeks will require monitoring and posting to the virtual classroom on Canvas 2-3 days each of those on-line weeks to submit work and participate in on-line discussion.
May 15–June 21, T TH, 6:00–9:30 p.m.
Elisabeth Hiles

ADGR 501501 Business Strategy
Strategy is how leaders distinguish the organizations advantage in competitive markets. It is a set of guidelines that help direct decision making and the allocation of resources to accomplish the company’s key business goals and objectives. To succeed in the future, leaders must develop the means and capabilities needed to gain and sustain these advantages. This course introduces the concepts of strategic management by using readings, discussion and case studies. The key components the course will cover are: the three horizontal strategies; external environments (social, political, technological and economic); global markets; internal Factors and Implications (capabilities, talent, resources); the role of Culture and Change Management.
ONLINE June 25–Aug 1 M W, 6:00–9:30 p.m.
Both Synchronous AND Asynchronous. Day and time are specified; students must participate weekly per all communications and instructions from the professor, must adhere to course schedule, and submit all course work on time. MEETS ONLINE SYNCRONOUSLY ON MONDAYS AND ASYNCRONOUSLY ON WEDNESDAYS. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
Jenny Gumm

ADGR 504501 Public Relations/Crisis Communication
In our culture, image is about conveying success. It is what makes us want to buy a brand or vote for a candidate. Course explores the powerful role of imaging, the use of trademarks as a vehicle to convey a corporate image, and how a “marketable personality” (for a product, service, organization or individual) is defined, developed and communicated. Examines strategies for balancing the emotional and rational factors of a message, finding a position with “soul,” and using research to full advantage in relation to imaging, culture and crisis management. A look at how imaging is affected by the exploding world of media and how it influences the corporate bottom line. Video and audio presentations and case studies provide stimulating examples. Students will better understand the imaging process and develop the know-how to evaluate and use it.
June 26–Aug 2, T TH, 6:00–9:30 p.m.
Don Fishman

ADGR 805301 Employment and Labor Law
This introduction to the rapidly evolving law of the workplace focuses on how the law works in practice today providing important information for employees and managers. Looks at traditional common law such as “Employment At Will” and areas of employment law topics including hiring, promotion and termination, workplace security, privacy and safety, compensation and benefits, immigration, and labor-management relations. The course also covers the various laws prohibiting discrimination in the workplace, with a focus on federal statutes and regulations as well as the emerging legal issues around Social Media in the workplace.
May 15–June 21, T TH, 6:00–9:30 p.m.
Katherine Lee

ADGR 805501 Human Resources Development
This is a hybrid course, which combines some in-person and some online class meetings. The Wednesday class sessions will be conducted in person, and the Monday class sessions will meet ONLINE but will NOT be synchronous. Please refer to the course syllabus on the Course Information and Schedule page in AGORA for more detailed information.
This course focuses on employees and how to get the highest level of performance out of employees. What motivates your employees? What makes them want to stay? How do you prevent attrition? This course will start with an introduction to organizational design and relevant organizational development theories. It will then move to talent acquisition and employee training, where use of analytics and metrics will be introduced. Next, students will learn performance management methods and appraisal, including use of instruments and rating scales. The course will then move to career development and leadership development including assessing talent, developing career paths, and succession planning. The course will conclude by helping students understand the differences between coaching and mentoring, and how to effectively manage organizational talent.
May 16–June 20, M W, 6:00–9:30 p.m.
Heather Williams

ADGR 812001 Marketing Analytics
This is a hybrid course, which combines some in-person and some online class meetings. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
As industries become increasingly competitive, companies rely more and more on marketing to attract buyers and prove the value of their spend from brand awareness to impact on revenues. Doing so in today’s digital world requires a clear understanding and management of metrics and analytics. The Internet promises to revolutionize the dynamics of international commerce and permits new types of measurement tools that will expand the data available to marketers, including advertising measurement and customer profiling. This course will provide students with the main tools to lead marketing performance and help them answer key questions such as: How can I lead marketing performance by designing the appropriate metrics? What are the most important marketing metrics and analytics for me to use? How can I measure my various marketing programs’ impact on revenue and profit? How can I best communicate marketing results with my executive team and board?
June 25–Aug 1 M W, 6:00–9:30 p.m.
Letizia Affinito
ADEC 731001 Data Analysis
This course is designed to introduce students to the concepts and data-based tools of statistical analysis commonly employed in Applied Economics. In addition to learning the basics of statistical and data analysis, students will learn to use the statistical software package Stata to conduct various empirical analyses. Our focus will be on learning to do statistical analysis, not just on learning statistics. The ultimate goal of this course is to prepare students well for ADEC 732001, Econometrics.

ONLINE June 22, T, 8:00-10:00 p.m., Larry Fulton
FULLY ONLINE COURSE - Both Synchronous AND Asynchronous. Day and time are specific; students must participate weekly per all communications and instructions from the professor, must adhere to course schedule, and submit all course work on time. MEETS ONLINE SYNCHRONOUSLY ON TUESDAYS. Please refer to the course syllabus on the course Canvas page in AGORA or on the Summer Session website for more detailed information.

ADEC 732001 Econometrics
Pre-requisites: Applied Microeconomic Theory, Applied Macroeconomic Theory, and Data Analysis
This course focuses on the application of statistical tools used to estimate economic relationships. The course begins with a discussion of the linear regression model, and examination of common problems encountered when applying this approach, including serial correlation, heteroscedasticity, and multicollinearity. Models with lagged variables are considered, as is estimation with instrumental variables, two-stage least squares, models with limited dependent variables, and basic time-series techniques.

ONLINE June 11–Aug 2, Nathaniel Bastian
NOTE DATES
FULLY ONLINE-Asynchronous. No days/times specified; students must participate weekly per all instructions and communications from the professor, must adhere to course schedule, and submit all course work on time.

ADEC 736001 Financial Economics
This course teaches the practical application of finance theory to decisions made in industry. We will learn how individuals and firms choose investment portfolio decisions under uncertainty with a particular focus on topics such as the capital asset pricing model, market imperfections, borrowing constraints, market efficiency and security valuation. Understanding how interest rates, exchange rates, and risk work will aid your understanding of multiple firm problems such as when does a firm choose a specific investment or place of manufacture. In addition, studying term structures and discounted cash flows are important to understanding the decision to invest over time.

ONLINE May 15–July 8, Nathaniel Bastian
NOTE DATES
FULLY ONLINE-Asynchronous. No days/times specified; students must participate weekly per all instructions and communications from the professor, must adhere to course schedule, and submit all course work on time.

ADEC 737001 Applied Stress Testing for Economists
Pre-requisite: ADEC 731001 Data Analysis or department approval.
Since the financial crisis of 2008, banks and bank holding companies in the United States have faced increased regulation. One of the recent changes to these regulations is known as the Comprehensive Capital Analysis and Review (CCAR). At the core of these new regulations, specifically under the Dodd-Frank Wall Street Reform and Consumer Protection Act and the stress tests it mandates, are a series of “what-if” or “scenario analyses” requirements provided by the Federal Reserve. In this course we will examine these new regulations and build models which help to satisfy these requirements. In the course will build both “bottom-up” and “top-down” models which incorporate external economic scenarios. We will also spend time with the creation of these scenarios. The final project will involve presenting results to experienced banking professionals.
Experience with some statistical computing software is required (R, Stata or eViews).

ONLINE June 25–Aug 2, Danielle Zanzalari
FULLY ONLINE-Asynchronous. No days/times specified; students must participate weekly per all instructions and communications from the professor, must adhere to course schedule, and submit all course work on time.

ADEC 739001 Empirical Money and Banking
Pre-requisites: Applied Microeconomic Theory, Applied Macroeconomic Theory, Data Analysis, and Econometrics, or approval of the instructor.
This course focuses on a study of money, banking and financial markets with a clear emphasis on central banking and conduct of monetary policy. An in depth analysis of fixed income markets and addition to equities and other financial instruments in this course provides students with the opportunity to master intricacies of financial markets and investing in them. Additionally, the connection between movements in the financial markets and monetary policy is examined on a daily basis. An extended use of Bloomberg Professional LP in this course makes this very applied class particularly valuable to anyone interested in bridging the gap between the economic theory and practice.

ONLINE June 26–Aug 2, T TH, 6:00-9:30 p.m., Hossein Kazemi

ADEC 743001 Big Data Econometrics
Pre-requisite: ADEC 731001 Data Analysis or department approval.
This course demonstrates how to merge economic data analysis and applied econometric tools with the most common machine learning techniques, as the rapid advancement of computational methods provides unprecedented opportunities for understanding “big data”. This course will provide a hands-on experience with the terminology, technology and methodologies behind machine learning with economic applications in marketing, finance, healthcare and other areas. The main topics covered in this course include: advanced regression techniques, resampling methods, model selection and regularization, classification models (logistic regression, Naïve Bayes, discriminant analysis), k-nearest neighbors, neural networks, support vector machines, and unsupervised learning (principal components analysis and clustering). Students will apply both supervised and unsupervised machine learning techniques to solve various economics-related problems with real-world data sets.

ONLINE May 15–July 8, Nathaniel Bastian
NOTE DATES
FULLY ONLINE-Asynchronous. No days/times specified; students must participate weekly per all instructions and communications from the professor, must adhere to course schedule, and submit all course work on time.

ADEC 746001 Predictive Analytics / Forecasting
Pre-requisite: ADEC 7320 Econometrics.
This course will expose students to the most popular forecasting techniques used in industry. We will cover time series data manipulation and feature creation, including working with transactional and hierarchical time series data as well as methods of evaluating forecasting models. We will cover basic univariate Smoothing and Decomposition methods of forecasting including Moving Averages, ARIMA, Holt-Winters, Unobserved Components Models and various filtering methods (Hodrick-Prescott, Kalman Filter). Time permitting, we will also extend our models to multivariate modeling options such as Vector Autoregressive Models (VAR). We will also discuss forecasting with hierarchical data and the unique challenges that hierarchical reconciliation creates. The course will use the R programming language though no prior experience with R is required.

ONLINE June 25–Aug 2, Lawrence Fulton
FULLY ONLINE COURSE - Both Synchronous AND Asynchronous. Day and time are specific; students must participate weekly per all communications and instructions from the professor, must adhere to course schedule, and submit all course work on time. MEETS ONLINE SYNCHRONOUSLY ON TUESDAYS. Please refer to the course syllabus on the course Canvas page in AGORA and on the Summer Session website for more detailed information.
ADEC 791001 Software Tools for Data Analysis
The course provides students with an overview of popular software packages used for data exploration, analysis, and visualization. The first part of the course offers an overview of the non-programming tools spreadsheet/Excel and Tableau. In Excel we will cover basic method, tools, charts, with the emphasis on pivot tables. In Tableau students will be introduced to data collection, exploration and visualization methods. The second part of the course will provide an intro to using SQL databases, where students will learn how to create SQL queries to select, filter and arrange data. The third part of the course will cover basic data analysis in statistical software packages Stata and R. Here students will learn how to write their own code for importing, cleaning and exploring large datasets, as well as how to create, modify and export complex charts and summaries for visual, qualitative and quantitative analysis of the data.
May 15–June 21, T TH, 6:00–9:30 p.m.
Anatoly Arlashin

ADEC 794001 Environmental Economics
This course examines where the tension between economic activities and environment stems from, how economic activities cause environmental degradation and what kind of regulatory actions should be taken in order to maintain the balance between economic growth and environmental sustainability. The course has two main parts, theory and applications. We will start with analyzing the underlying economic theory of market failures, economic valuation, economic incentive instruments, and then move onto the applications of the economic theory to real world cases, i.e. air pollution control and climate change mitigation policies, water quality management and waste management.
May 16–June 20, M W, 6:00–9:30 p.m.
Gokce Olcum

ADEC 888001 Directed Practicum
Permission required from the Program Director.
Directed Practicum course allows students in the MS in Applied Economics program to apply their coursework in a working environment either via internships for full-time students or special projects at their place of employment for part-time students who work full time.
By Arrangement

CYBERSECURITY POLICY AND GOVERNANCE PROGRAM

ADEC 690001 Ethical Issues in Cybersecurity & the Ignatian Paradigm
Course provides “real life” complex, ethical situations for students to evaluate, as both decision-maker and advisor, by addressing the various issues confronted by senior government and corporate professionals, nation states, and other parties of significance, involving the receipt and protection of critical and sensitive data. Specific topics include standard professional ethical frameworks of beneficence and non-maleficence; rights and justice; and issues related to privacy, intellectual property, and corporate espionage and fraud, while contrasting same with freedom of information and intellectual creativity. The course compares and contrasts global governments’ and cultures’ differing approaches to ethics, and enhances, from a framework of dialogue, discernment of action, and deliberation, the ability of students to make reasoned and responsible business decisions in a global economy. The course also examines aspirational versus mandatory ethical standards (i.e., the “right thing to do” vs. what is “legal” or “compliant”), through additional frameworks of reference, including review, reflection, and refinement of decisions.
May 21–July 30, M, 6:00–9:15 p.m.
Deborah Hurley

ADEC 647501 Security in the Cloud
Course provides an understanding of basic cloud deployment models, including private, public, hybrid, and community, and the various service platforms (e.g., SaaS, PaaS, IaaS). Course addresses governance control and responsibil-
SUMMER SESSION 2018 FACULTY

Letizia Affinito, Ph.D. Catholic University of the Sacred Heart (Milan)
Anatoly Arlashin, Ph.D. Boston College
Maurice Ashley Agbaw Ebai, Th.M., S.T.L., S.T.D. Boston College
Karen Atkinson, Ph.D. Northeastern
Don Aucoin, A.B. Massachusetts (Amherst), Chief theater critic, The Boston Globe
Nathaniel Bastian, Ph.D. Pennsylvania State University
Hugo Benedetti, I.V.D., Ph.D. Northeastern
Nathaniel Bastian, Ph.D. Pennsylvania State University
Boston College
Maurice Ashley Agbaw Ebai, Th.M., S.T.L., S.T.D. Boston College
Don Aucoin, A.B. Massachusetts (Amherst), Chief theater critic, The Boston Globe
Karen Atkinson, Ph.D. Northeastern

Alex Bloom, A.M., Ph.D. Boston College
Andrew Bowen, Ph.D. cand. Boston College
Susan Bradley, Ph.D. Northeastern
Marc Breen, Ph.D. Victoria University Melbourne
David Burgess, Ph.D. University of California at Davis
Jon Burmeister, M.A., Ph.D. Boston College
Hugo Benedetti, Ph.D. cand. Boston College
Alex Bloom, A.M., Ph.D. Boston College
Andrew Bowen, Ph.D. cand. Boston College
Suzanne O’Brien, M.S. University of New Hampshire (Durham)

Patricia Clarke, M.B.A. Babson College
Rowena Clarke, Ph.D. cand. Boston College
Matthew Clemente, M.A., Ph.D. Boston College
Marie Cotte, M.A., D.E.A. Universite Paris VII
Charles Coakley, M.B.A. Babson College
Neal Couture, M.Ed. George Washington
Mark Christensen, Ph.D. Pennsylvania State University
Daniel W. Chambers, A.M., Ph.D. Maryland
Aza Chirkova, M.A., M.B.A. Boston College
Taylor Canel, M.D. Trinity College Dublin
Stacee Santos, Ph.D. Boston College

Matthew Delvaux, Ph.D. cand. Boston College
Rebecca Dunn, Ph.D. Northwestern University
Jeremy J. Eberhard, Ph.D. Rockefeller
Samantha Eddy, Ph.d. Boston College
Christian Engelbrecht, Ph.D. University of Cape Town
Jan Engelbrecht, Ph.D. Illinois (Urbana)
Ali Erol, Ph.D. Howard University
Silvana Falconi, M.A., Ph.D., Purdue University;
Donald Fishman, A.M., Ph.D. Northwestern
Michael Franczak

Lawrence Fulton, Ph.D. University of Texas Austin
Timothy Furlan, Ph.D. Trinity College Dublin
Kenneth Galli, Ph.D. Massachusetts (Amherst)
David M. Goodman, Ph.D. Fuller School of Psychology
G. W. Griffin, Ph.D. Tufts University
Jennifer Gumm, Ed.D. Pepperdine
Maheen Haidar, Ph.D. cand. Boston College
Karina Hamamouche, M.S., Ph.D. cand. Boston College
Christopher Hannan, Ph.D. Boston College
Andrzej Herzynski, M.S., Ph.D. Lehigh
Elisabeth Hiles, Ph.D. Pepperdine University
Deborah Hurley, J.D. U.C.L.A. School of Law
Felix Jimenez, Ph.D. Boston College
Claudia Kale, Ph.D. Vanderbilt University
Mark Kazanov, Ph.D. Boston College

Claudia Kale, Ph.D. Vanderbilt University
Mark Kazanov, Ph.D. Boston College
Hossein Kazeri, M.A., Ph.D. Clark
Nathan Kearns, J.D. Rutgers University Law School
Christopher Kenaley, Ph.D. University of Washington
Andrea Kirmayer, M.S., Ph.D. Friedrich-Alexander University (Germany)
Peter J. Kreeft, A.M., Ph.D. Fordham University
Isak Ladegaard, Ph.D. cand. Boston College
Katherine Lev, J.D. Boston College
Xi Yong Lin, Ph.D. cand. Boston College
Joyce Lindmark, Esq., Ph.D. Boston College
Sean MacEvoy, B.S., Ph.D. Brown
Maria Martin deNicholas, Ph.D. Complutense University (Spain)
Andrew Massena, Ph.D. cand. Boston College
Suzanne Matson, Ph.D. University of Washington
Martin Menke, Ph.D. Boston College
Kenneth Metz, M.S., Ph.D. Arkansas Fayetteville
Susan Michaleczek, Ph.D. Harvard
Barbara Mikolajczak, B.S., Boston University
Kristina Moore, Ph.D. University of Northern Colorado
Jeremiah Morelock, Ph.D. cand. Boston College
John Morton, Ph.D. Boston College,
Greer Muldowney, M.F.A. Savannah College of Art and Design
Vicente Munoz-Reja, Ph.d. cand. Boston College
Marie Natoli, Ph.D. Tufts, M.B.A., J.D. Suffolk
Suzanne O’Brien, M.S. University of New Hampshire (Durham)
Emma O’Donnell, Ph.D. Boston College
Marilee Ogren, Ph.D. University of Washington
Gokce Olgum, Ph.D. Bilkent (Turkey)
Timothy Orwig, B.A. Morningside College
Jade Morris, M.Ed. Springfield College
Robert Pritchard, Ph.D. Northeastern University
Brian Reeves, M.F.A. University of Wisconsin-Madison
Susan Roberts, M.A. Boston College
Rita Rosenthal, A.M. Bowing Green
Stacee Santos, Ph.D. Boston College
Barbara Sargent, M.A. University of Massachusetts
Vera Sharunova, Ph.D. cand. Boston College
Stephen Shea

Siyi Shen, Ph.D. cand. Boston College
Matthew Sienkiewicz, Ph.D. Wisconsin-Madison
Cedric-Michael Simmons, M.A., Ph.D. cand. Boston College
Cathy Utzschneider, Ed.D. Boston University
Cesar Vega, J.D. Suffolk University
Tyler Viale, M.A., Ph.D. cand. Boston College
Daniel Vos, Ph.D. cand. Boston College
Aaron Walsh, Boston College
Heather Williams, M.A. Harvard University Extension School
Jason Williams, B.S. Boston College, G.F.A. Massachusetts
Vaughn Williams
Jamison Wolf, Ph.D. Tufts
Christopher Wood, A.M., Ph.D. Yale
Danielle Zanzalari, M.A, Ph.D. Clemson
Zhu Zhu, Ph.D. cand. Boston College
SUMMER COURSES 2018

SUMMER: MAY 15–JUNE 21
ADEC7310 Data Analysis
ADEC7360 Financial Economics
ADEC7430 Big Data Econometrics
ADEC7910 Software Tools for Data Analysis
ADEC7940 Environmental Economics
ADEC8880 Directed Practicum
ADGR7030 Research Methods and Data Analysis
ADGR7704 Accounting and Financial Analysis I
ADGR7785 Leadership & Decision Making: Ignatian-Based Appl Ethics
ADGR8006 Communication in a Global Work Environment
ADGR7053 Employment and Labor Law
ADGR8055 Human Resources Development
ADSA1785 Sports Leadership & Ignatian-Based Ethics
ADSA8015 Sports Analytics

**ADCI1001 Introduction to Criminology
* ADJO2230 Of Human Interest: Writing Stories That Matter
ADJO3349 Politics and the Media: Power and Influence
ADSY1140 Research: Techniques and Processes
**ARTS2250 Introduction to Digital Design
**ARTS2276 Art and Digital Technology
**BIOL3303 Introductory to Physiology
**BIOL3304 Cell Biology
**BIOL3305 Genetics
COMM1030 Public Speaking
COMM2210 Broadcast and Digital Communication
COMM2308 Entertainment Media
ECON1131 Principles of Economics I: Micro
ECON1132 Principles of Economics II: Macro
ECON3338 Law and Economics
ECON3365 Finance
* EESC1140 Our Mobile Earth
* ENGL1080 Literature Core
ENGL3307 History of the English Language
ENVIC2110 Building Sustainable Communities: Detroit & Boston
FILM2283 History of European Cinema
HIST1027 Modern History I
HIST1040 The West and the World Since 1789
* HIST1081 Modern History I
HIST2830 History of Boston’s Neighborhoods
* MATH1100 Calculus I
MATH1353 Statistics
MPIN1021 Basic Finance
PHIL1070 Philosophy of the Person I
PHIL1086 Ethical Identities and Personhood
PHIL2265 Foundations of Bioethics
PHIL4470 Philosophy of World Religions
POLI1041 Fundamental Concepts of Politics
* PSYC1120 Intro to Behavioral Statistics & Research I
* PSYC2234 Abnormal Psychology
* PSYC2269 Child Development
* PSYC2272 Cognitive Psychology: Mental Processes
**PSYC2261 Personality 
**SOCY1001 Introductory Sociology I
SOCY2215 Social Theory
SOCY3307 Race in the Criminal Justice System
SOCY3321 Building Sustainable Communities-Detroit & Boston
THEO1001 Biblical Heritage I
THEO1016 Introduction to Christian Theology I
THEO1161 The Religious Quest: Comparative Perspectives I

SUMMER: MAY 15–MAY 31
* BIOL1300 Anatomy and Physiology I

SUMMER: MAY 15–AUG 2
ADCY6200 International Cybersecurity
ADCY6201 Ethical Issues in Cybersecurity & Ignatian Paradigm
ADCY6925 Cybersecurity Risk and Resiliency
ADGR9902 Applied Research Project

SUMMER: JUNE 4–JUNE 21
* BIOL3320 Anatomy and Physiology II

SUMMER: JUNE 4–JUNE 29
PHYS2100 Introduction to Physics I
**PHYS2110 Intro Physics I Recitation

SUMMER: JUNE 4–JUNE 29
**CHEM1331 Analytical Chemistry

SUMMER: JULY 11–JULY 22
**ADIT1300 Coding Bootcamp

SUMMER: JUNE 11–JULY 6
* CHEM2011 Organic Chemistry I (Summer)

SUMMER: JUNE 18–JULY 9
* CHEM1101 General Chemistry I (Summer)

SUMMER: JUNE 25–JULY 12
* BIOL2200 Microbiology for Health Professionals
SPAN1015 Elementary Spanish I
SPAN1115 Intermediate Spanish I

SUMMER: JUNE 26–AUG 3
ADEC7320 Econometrics
ADEC7370 Applied Stress Testing for Economists
ADEC7390 Empirical Money and Banking
ADEC7460 Predictive Analytics/Forecasting
ADCM8880 Directed Practicum
ADGR7777 Evolution of Mktx Strats / Digital Era
ADGR8015 Business Strategy
ADGR8045 Public Relations/Crisis Communication

SUMMER COURSES 2018

ADIT 1341 Social Media: To the Web and Beyond
* ARTH1102 Art: Renaissance to Modern Times
**ARTS1101 Drawing I: Foundations
COMM1030 Public Speaking
COMM2210 Broadcast and Digital Communication
COMM2278 Social Media
COMM4449 Crisis Communication
ECON1131 Principles of Economics: Micro (Hybrid)
ECON1132 Principles of Economics: Macro (Lecture)
* ECON1132 Principles of Economics: Macro (Afternoon)
ECON1133 Principles of Economics: Macroeconomics
ECON3361 Monetary Theory & Policy
EECS1163 Environmental Issues & Resources
* ENGL1101 First Year Writing Seminar
ENGL1080 Literature Core
ENGL3337 Writing Wilderness - White Mountains, NH
FILM2279 Social Issues in Literature and Film
HIST1028 Modern History II
HIST1039 The West & The World: 1500-1789
* HIST1082 Modern History II
HIST2852 Colonial Latin America, 1400-1820's
* HIST2873 The Modern Presidency, 1932-2018
MATH1004 Finite Probability and Applications
* MATH1100 Calculus I
* MATH1110 Calculus II
**MATH2210 Linear Algebra
MATH3353 Statistics
PHIL1071 Philosophy of the Person II
PHIL1252 Practical Logic
PHIL1510 Introduction to Ethics
PHIL2287 Meaning of Work and Leisure
* PSYC2234 Abnormal Psychology
* PSYC2242 Personality Theories
PSYC2269 Child Development
PSYC2272 Cognitive Psychology
PSYC2281 Sports Psychology
RRL1320 Drama of Psychology in Latin American Lit & Film
RRL1330 Racism: French and American Perspectives
**SOCY1001 Introductory Sociology
**SOCY1049 Social Problems
THEO1002 Biblical Hermitage II
THEO1017 Introduction to Christian Theology II
THEO1162 Religious Quest: Comparative Perspectives II

SUMMER: JULY 2–JULY 26
PHYS2101 Introduction to Physics II
**PHYS2111 Introduction to Physics II Recitation

SUMMER: JULY 9–JULY 13
* ADGR7708 Project Management

SUMMER: JULY 9–AUGUST 3
* CHEM2012 Organic Chemistry II (Summer)

SUMMER: JULY 10–AUGUST 3
* CHEM1012 General Chemistry II (Summer)

SUMMER: JULY 16–AUG 2
SPAN1016 Elementary Spanish II
SPAN1116 Intermediate Spanish II

BOLD = Fully ONLINE, Asynchronous
BOLD & ITALIC = Fully ONLINE Synchronous
ITALIC = HYBRID

* Morning Class
**Day/Afternoon Class