Drew University
SummerTerm 2015 Course List

(Last updated 5-12-15. Please visit the Registrar’s Course List for the most up-to-date SummerTerm information.)

drew.edu/summerterm2015

**Session I***
May 18 – June 25 (6 weeks)
May 18 – June 11 (4 weeks)
No classes May 25

**Session II***
June 29 – August 6 (6 weeks)
June 29 – July 23 (4 weeks)
No classes July 3rd

**Course Duration**
*Courses may meet for 3, 4, 5 or 6 weeks in duration. Please review individual courses for details.

**Registration Deadline**
PREFERABLY two weeks before the start of classes per term

**Tuition**
$660 per credit (unless otherwise noted)
$2,640 per 4-credit course
$5,280 per 8-credit course

**Financial Assistance**
Drew financial assistance is not available for summer classes.

Apply Online
http://www.drew.edu/summer-term

**Other Fees**
Application Fee: $25 (nonrefundable)
Lab/Studio Fees: Required for some courses. See course description for details.
Parking Fee: $50 (academic year stickers are valid throughout the summer)
Transcript Fee: $25 (one-time fee)

**Course Details**
Course information and room assignments are subject to change. For the most up-to-date information, please visit the Registrar’s Summer Term 2015 Course List at the link below:
http://www.drew.edu/registrar/catalog

**Billing Statements**
Can only be viewed through your TreeHouse portal starting mid-April. Paper copies of bills are no longer sent by mail.

**Payment**
Is due in full before the start of summer classes. Please contact the Business Office at 973-408-3114 if you have questions.

**Questions?**
Contact the Office of Continuing Education at 973-408-3310 or summer@drew.edu
Summer Term Applicants

SummerTerm is open to current Drew students, visiting students from other colleges and universities, entering freshmen, and students who are not currently enrolled in a formal educational program. Rising high school juniors and seniors, ready to sample higher education, are also invited to share the classroom with college students and our distinguished faculty.

Registration Instructions

Drew Students may attend summer courses for which they are prepared. They are encouraged to consult with their academic advisor before registering through their TreeHouse portal. No pin is required to register for SummerTerm classes.

Visiting Students should review Drew’s SummerTerm course offerings and complete the steps below:

- Complete the registration application by visiting the link below and clicking on the red “APPLY NOW” button at the bottom of the page.
- http://www.drew.edu/undergraduate/what-you-learn/summer-term
- The Registrar’s Office will create an account for you and notify you of your Drew Identification Number via email.
- You will also receive an email asking you to activate your network account. Doing so will give you access to TreeHouse, your student portal online, as well as a Drew email address. If you have any difficulties, please contact the HelpDesk at 973/408-4357. If you have attended classes at Drew in the past, you will have to contact the HelpDesk to reset your account.
- You will be required to formally register for your summer class/s via your TreeHouse account. Please review registration instructions at the link below: http://www.drew.edu/registrar/student/treehouse-and-self-service-registration-instructions
- Visiting students who wish to attend courses with pre-requisites will need to email the Registrar’s Office at regist@drew.edu requesting they be manually registered. Please be sure to provide your name, your Drew ID#, the course title and CRN number, which is a five digit set of numbers that sit beside the course title.
- All students attending summer classes are required to submit health forms through TreeHouse. Look for the “MyHealthPortal” under the “Help and Services” section of your TreeHouse portal.
- Students who will be parking on campus during the summer must secure a parking pass from Public Safety located in the Pepin Services Center. Before visiting Public Safety, please complete the permit application via your TreeHouse account. Look for the “MyParking” link under the “Vehicles on Campus” section of TreeHouse.
- Payment for SummerTerm classes is due before the first day of classes. Paper statements are no longer sent by Drew. The only way you can view your statement is through your TreeHouse portal. Please look for account information on the top right hand side of your TreeHouse page. You should be aware there is a $25 application fee associated with summer courses as well as a $25 transcript fee for which you will also be billed through your TreeHouse portal.
- Important: visit the Information for Admitted Summer Students link below for further details on payment, changes in registration, withdrawal and refund policy, etc. http://www.drew.edu/undergraduate/admissions/applying/summer-term-applications/information-for-admitted-summer-students

View details online at drew.edu/summer

High School Students: must go through an application process and be admitted to Drew’s Early College Program before they can register for summer classes. Registration information will be provided after an admissions decision is made.

The Wall Street Summer Program and the Theatre Arts Summer Program both require interested parties to submit an application. Registration information will be provided after an admissions decision has been made.
Courses by Session

### Session I

- ANTH 104-A Cultural Diversity: Cultural Anthropology and Linguistics
- **ANTH 130-B Archaeological Methods and Theory**
- ART 106-A Drawing I
- ART 130-A Photography
- ART 160-B Painting I
- BIOL 104-A DNA and Biotechnology Today
- BIOL 250-A Molecular and Cellular Biology (with lab BIOL 250L-B)
- **Biology 302-A Geographic Information Systems**
- BIOL 360-A Molecular Biology of Cancer
- BST 101-X Principles of Financial Markets (Wall Street Summer Program)
- BST 115-A Fundamentals of Financial Accounting
- REL 214-B Business Ethics
- CHEM 150-A Principles of Chemistry I (with lab CHEM 150L-B)
- CHEM 150A-A Principles of Chemistry I (3 credits; without lab)
- CHEM 160-A Principles of Chemistry II (with lab CHEM 160L-B)
- CHEM 160A-A Principles of Chemistry II (3 credits; without lab)
- CHEM 250-A Organic Chemistry I (with lab CHEM 250L-B)
- CHEM 250A-A Organic Chemistry I (3 credits; without lab)
- **CLAS 260-B Classical Culture through Art and Archaeology**
- CSCI 117-X1 Introduction to Computers and Computing (laptop computer required)
- ECON 102-D Economic Principles: Macroeconomics
- ECON 281-X2 Wall Street and the Economy (Wall Street Summer Program)
- ENGL 109-B Introduction to Film Analysis
- **ENGL 115-B The American Novel**
- ENGL 213-B Topics in Creative Writing: Fiction and Non-Fiction
- **ESS 302-A Geographic Information Systems**
- HIST 301-A The Vietnam War at the Movies
- MATH 117-A Introductory Statistics
- MATH 150-C Calculus and Analytic Geometry I
- **PHIL 101-A Introduction to Philosophy**
- PHIL 328-B Philosophy of Religion
- PHYS 101-B Introductory Astronomy I – The Solar System
- PSCI 104-B International Relations
- **PSCI 225-B European Politics**
- **PSCI 243-D Terrorism**
- PSYC 211-A Research Methods in Psychology
- **PSYC 351-A Learning and Behavior** (with option lab PSYC 351L-AB)

### Session II

- SOC 217-A The Sociology of Management
- **SPAN 101-A Fundamentals of Oral and Written Spanish I**
- SPAN 201-A Intermediate Spanish
- THEA 375-A1 The New York Theatre Then and Now (Theatre Arts Summer Program)
- THEA 375-B1 You and Your Theatre Career (Theatre Arts Summer Program)
- **ART 112-A Ceramic Sculpture I**
- ART 212-A Ceramic Sculpture II
- BST 101-X2 Principles of Financial Markets (Wall Street Summer Program)
- CHEM 160-B Principles of Chemistry II (with CHEM 160L-A)
- CHEM 160A-B Principles of Chemistry II (3 credits; without lab)
- CHEM 350-B Organic Chemistry II (with lab CHEM 350L-A)
- CHEM 350A-B Organic Chemistry II (without lab; 3 credits)
- CSSCI 117-A Introduction to Computers and Computing (laptop computer required)
- CSCSCL 151-B Object Oriented Programming (laptop computer required)
- ECON 281-X2 Wall Street and the Economy (Wall Street Summer Program)
- ENGL 115-D Topics in Literary Studies: The Literature of Aids
- ENGL 150-B Literary Analysis
- ENGL 219-A Blogs, Tweets, and Social Media: The Art of Digital Communication
- ESS 103-B Introduction to Climate Change
- MATH 117-B Introductory Statistics
- MATH 151-D2 Calculus and Analytic Geometry II
- NEUR 101-B Introduction to Neuroscience
- PAST 201-D Images of Africana People Through Cinema
- PH 370-D The Politics of Public Health
- PHYS 104-B Physics in Modern Medicine
- PSCI 256-B The Law Behind the Headlines
- PSCI 256-D Introduction to Legal Education
- PSYC 101-A Introduction to Psychology
- PSYC 348-A Abnormal Psychology
- PSYC 360-A Global Burden of Mental Illness
- SOC 101-B Introduction to Sociology
- SPAN 102-A Fundamentals of Oral and Written Spanish II
- THEA 375-A2 The New York Theatre Then and Now (Theatre Arts Summer Program)
- THEA 375-B2 You and Your Theatre Career (Theatre Arts Summer Program)
- THEA 386-A Theatre in the Community: The Newark Collaboration
SummerTerm Session I

Cultural Diversity: Cultural Anthropology and Linguistics – 40022 – ANTH 104 – A
4 credits. A comparative examination of the cultural diversity of humanity. Using case studies of peoples in differing contexts, the course presents theories and data on a range of topics for understanding contemporary human conditions, including subsistence strategies, political and economic systems, religion and expressive behavior, language, culture change, and the interdependence of cultures throughout the planet.
GenEd.: CLA-Breadth/Social Science, CLA-Diversity International
Instructor: Prof. Maria Masucci
Dates: May 18 – June 11
Times: 10:00 a.m. – 12:30 p.m.
Days: M, T, W, TH
Room: Brothers College 101

Archaeological Methods and Theory – 40197 – ANTH 330 – B
4 credits. In this course on Archaeological Methods students will be introduced to how archaeology works – and how archaeologists work. The focus is on hands-on learning with experience offered in analysis of archaeological materials, and the interpretation of data sets through in-class labs, exercises, field practicum and take home simulation problems. The class offers a look at how archaeologists reconstruct and interpret human history based on the material record particularly by allowing students to analyze archaeological materials and conduct experimental reconstructions of ancient tools. The course does not provide field excavation experience although we visit a local historic site and carry out practice in laying out excavation grids and recording survey points with GPS on the grounds of the Drew campus.
Instructor: Prof. Maria Masucci
Dates: May 18 – June 11
Times: 1:00 p.m. – 4:30 p.m.
Days: M, T, W
Room: Brothers College 101

Drawing I – 40124 – ART 106 – A
4 credits. An introduction to drawing as a way of making images, as a basis for work in other media, and as a process of discovery. Studio activities are grounded in observation and use various wet and dry media. Line, shape, and value are emphasized as basic components for exploring fundamental issues of composition, the structuring of form, the description of space and light, and as a means of individual expression.
GenEd.: CLA-Breadth/Arts
Instructor: Prof. Jason Karolak
Course Fee: $125
Dates: May 18 – June 11
Times: 12:30 p.m. – 4:00 p.m.
Days: M, T, W
Room: Dorothy Young Center for Arts 201

Photography I – 40025 – ART 130 – A
4 credits. An introduction to the fundamentals of photographing with digital SLR cameras, along with using a range of digital imaging editing tools and output modes to produce original work. Students are encouraged to make pictures that are challenging in both content and form and express the complex and poetic nature of human experience. The course introduces the work of influential photographers, raises discussions of contemporary issues in the medium and provides tools for evaluating and expressing a photograph’s communicative effectiveness. Digital SLR camera required; rentals available.
GenEd.: CLA-Breadth/Arts
Instructor: Prof. Rebecca Soderholm
Course Fee: $120
Dates: May 18 – June 10
Times: 9:00 a.m. – 12:30 p.m.
Days: M, T, W
Room: Dorothy Young Center for Arts 2

DNA and Biotechnology Today – 40027 – BIOL 104 – A
4 credits. A course for non-science majors in which students study the structure and function of DNA as a background to understanding hereditary traits and genetic diseases. Current events are used as a context for study. Topics include the Human Genome Project, molecular forensics, bioremediation using DNA technology, and gene therapy. Format of class includes lectures, student presentations, and hands-on activities during the designated class time.
GenEd.: CLA-Breadth/Arts
Instructor: Prof. Joanna Miller
Dates: May 19 – June 25
Times: 9:20 a.m. – 12:30 p.m.
Days: M, T, W
Room: Hall of Sciences S139

Molecular and Cellular Biology – 40028 – BIOL 250 – A
4 credits. An introduction to composition, structure, and function of prokaryotic and eukaryotic cells, using themes of energy and reproduction. Topics include DNA replication, transcription, and translation, mutations, gene regulation, membrane function, cellular communication, mitotically, absorption, and secretion. Laboratory includes current research techniques such as cell culture nucleic acid characterization, cloning, and restriction mapping.
Prerequisite: BIOL 160 and CHEM 160
Corequisite: Lab for Molecular and Cellular Biology – 40030 – BIOL 250L – B
GenEd.: CLA-Writing in the Major
Instructor: Prof. Stephen Dunaway
Dates: May 19 – June 25
Times: 9:00 a.m. – 12:10 p.m.
Days: M, T
Room: Hall of Sciences S142
Lab for Molecular and Cellular Biology – 40030 – BIOL 250L – B
Prerequisite: BIOL 160 and CHEM 160
Corequisite: Molecular and Cellular Biology – 40028 – BIOL 250-A
Instructor: Prof. Joanna Miller
Lab Fee: $100
Dates: May 19 – June 25
Times: 1:30 p.m. – 4:30 p.m.
Days: T, TH
Room: Hall of Sciences S133

Geographic Information Systems – 40031 – BIOL 302 – A
4 credits. This course explores GIS (Geographic Information System) and related spatial analysis tools, which are used to elucidate the natural landscape and human modification of the earth’s surface. Students will acquire cartographic, ArcGIS, and remote sensing skills through case studies and individual research investigations. Same as: ESS 302.
GenEd: CLA-Breadth/Interdisciplinary, CLA-Quantitative
Instructor: Prof. Lisa Jordan
Dates: May 19 – June 25
Times: 9:00 a.m. – 12:10 p.m.
Days: T, TH
Room: Brothers College 4

Molecular Biology of Cancer – 40029 – BIOL 360 – A
4 credits. To provide an in depth examination of cancer at the molecular level. As a disease of the DNA, cancer can arise from disruption of multiple cellular pathways, particularly those that control cell cycle progression. This course will focus on the molecular basis of cancer, including the role of on co-genes and tumor suppression genes in the development of cancer; regulation of genomic stability; progression to a metastatic state, and the mechanism of action of clinically relevant cancer treatments.
Prerequisite: BIOL 250
Instructor: Prof. Stephen Dunaway
Dates: May 18 – June 24
Times: 9:00 a.m. – 12:30 p.m.
Days: M, W
Room: Hall of Sciences S139

Fundamentals of Financial Accounting – 40033 – BST 115 – A
4 credits. This introductory course exposes students to the accounting principles and practices used by decision-makers associated with a business or governmental entity. Major topics include the accounting cycle, preparation and analysis of financial statements, standards and procedures for assets and liabilities, and the roles of corporate communication and responsibilities with respect to the accounting process.
Instructor: Prof. Karen Crisonino
Dates: May 19 – June 25
Times: 9:20 a.m. – 12:30 p.m.
Days: T, TH
Room: Brothers College 117

This course is associated with the Wall Street Summer Program. Please scroll to the end of this document for additional information.

Principles of Chemistry I – 40193 – CHEM 150 – A
4 credits. An introduction to the fundamental principles of chemistry as a quantitative science, including inorganic reactions, properties of gases, liquids, and solids, thermochemistry, atomic theory, and nuclear chemistry. Appropriate for those with little or no background in chemistry.
Co-requisite: Principles of Chemistry I Lab – 40168 – CHEM 150L – B
GenEd: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: TBA
Dates: May 18 – June 25
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, TH
Room: Hall of Sciences S4

Principles of Chemistry I – No Lab – 40194 – CHEM 150A-A
3 credits. An introduction to the fundamental principles of chemistry as a quantitative science, including inorganic reactions, properties of gases, liquids, and solids, thermochemistry, atomic theory, and nuclear chemistry. Appropriate for those with little or no background in chemistry. Instructor’s signature required.
GenEd: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: TBA
Dates: May 18 – June 25
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, TH
Room: Hall of Sciences S4

Principles of Chemistry I Lab – 40168 – CHEM 150L – B
Corequisite: Principles of Chemistry I – 40193 – CHEM 150 – A
Instructor: TBA
Lab Fee: $300
Dates: May 19 – June 25
Times: 12:30 p.m. – 3:30 p.m.
Days: T, TH
Room: Hall of Sciences S211

Principles of Chemistry II – 40195 – CHEM 160 – A
4 credits. A continuation of CHEM 150/CHEM 151 covering the structure of solids, kinetics, thermodynamics, equilibria, electrochemistry, and the principles of descriptive inorganic chemistry, including the transition metals.
Pre-requisite: C- or better in CHEM 150/CHEM 151
Co-requisite: Principles of Chemistry II Lab – 40170 – CHEM 160L – B
GenEd: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: Sandra Keyser
Dates: May 18 – June 24
Times: 9:00 a.m. – 11:30 a.m.
Days: M, W, F
Room: Hall of Sciences S142

Principles of Chemistry II – 40196 – CHEM 160A – A
3 credits. A continuation of CHEM 150/CHEM 151 covering the structure of solids, kinetics, thermodynamics, equilibria, electrochemistry, and the principles of descriptive inorganic chemistry, including the transition metals. Instructor’s signature required. Offered summer only.
Pre-requisite: C- or better in CHEM 150/CHEM 151
Organic Chemistry I – 40118 – CHEM 250 – A
4 credits. A systematic survey of structure, nomenclature, and reactions of common functional groups and carbon compounds. Topics include stereochemistry, chirality, stereoisomerism, nucleophilic substitution and elimination, insertions, radical processes, oxidation-reduction and acid-base equilibria. Includes spectroscopic analysis. Discusses applications to systems of biological significance. Prerequisite: C- or better in CHEM 160 or permission of instructor.

Prerequisites: Organic Chemistry I Lab – 40120 – CHEM 250L – B

GenEd.: CLA-Breadth/Natural Science
Instructor: Peter Dobbelaar
Dates: May 18 – June 11
Times: 8:30 a.m. – 11:30 a.m.
Days: M, T, W, TH
Room: Hall of Sciences S244

Organic Chemistry I – 40119 – CHEM 250A – A
3 credits. A systematic survey of structure, nomenclature, and reactions of common functional groups and carbon compounds. Topics include stereochemistry, chirality, stereoisomerism, nucleophilic substitution and elimination, insertions, radical processes, oxidation-reduction and acid-base equilibria. Includes spectroscopic analysis. Discusses applications to systems of biological significance. Prerequisite: CHEM 160 or permission of instructor. Offered summer only.

Prerequisites: C- or better in CHEM 160 or permission of instructor
Instructor: Professor Peter Dobbelaar
Dates: May 18 – June 11
Times: 8:30 a.m. – 11:30 a.m.
Days: M, T, W, TH
Room: Hall of Sciences S244

Organic Chemistry I Lab – 40120 – CHEM 250L – B

GenEd.: CLA-Breadth/Natural Science
Instructor: Professor Alan Rosan
Lab Fee: $300
Dates: May 18 – June 11
Times: 12:30 p.m. – 3:30 p.m.
Room: Hall of Sciences S142

Classical Culture through Art and Archaeology – 40034 – CLAS 260 – B
4 credits. Ancient Greece and Rome provided some of the most beautiful and influential treasures the world has ever known, alongside numerous artifacts that provide a material record of Classical Culture. This course will offer an overview of Greek and Roman archaeology and art over a wide period (c3000 BC-AD 350). The focus of our investigation will be upon how archaeological remains provides a window into culture. We will study the principles of scientific archaeology, and the stylistic development of a variety of media (freestanding sculpture in stone, bronze and terracotta; relief sculpture; vase and wall painting; individual monuments and their decoration, including mural painting; other media including gold and silver, engraved gems, mosaics). We will also introduce the great buildings of Greece and Rome with an emphasis on urban planning, engineering techniques, and political propaganda in public and private buildings. The course will be conducted through Powerpoint slides, lectures, discussion, and a visit to the Metropolitan Museum of Art. The responsibilities of the students will include participating in class discussions and exercises (both in class and online), readings, short weekly papers, a final paper, and a final exam. May be repeated for credit as topic changes. Not open to students who have taken two previous classics (CL) courses; they should register for CLAS 310.

GenEd.: CLA-Breadth/Humanities, CLA-Diversity/International, CLA-Writing Intensive
Instructor: Prof. Emily Fairley
Dates: May 19 – June 14
Times: 1:00 p.m. – 4:30 p.m.
Days: M, T, W, TH
Room: Brothers College 118

4 credits. An introduction to problem solving with computers, using the Python programming language. Students will learn to design, implement, document and test programs. Language topics include iteration, decision, user-defined functions, and structured data types. No previous programming experience is expected. Prospective computer science majors or minors should begin with this course, which is also appropriate for students who wish to learn some programming, but plan to take no additional computer science courses. Python is a widely-used and accessible programming language for which many excellent tools and libraries exist.

GenEd.: CLA-Quantitative
Instructor: Prof. Emily Hill
Dates: May 21 – June 25
Times: 10:00 a.m. – 12:30 p.m.
Days: M, W, TH
Room: Brothers College 21

Economic Principles: Macroeconomics – 40165-ECON 102-D
4 credits. An introduction to basic macroeconomic analysis with special emphasis on problems of unemployment, inflation, and economic growth. Topics include national income determinations; money, financial markets, and monetary policy; fiscal policy and the economic role of government; the United States and the world economy.
Wall Street and the Economy – 40181 - ECON 281 – X
This course is associated with the Wall Street Summer Program. Please scroll to the end of this document for additional information.

Introduction to Film Analysis – 40038 – ENGL 109 – B
4 credits. This course will teach students to closely analyze and write about film. We will watch a range of international films from the early twentieth century to the present. The overall goal is to become an active, engaged, and responsible viewer of film. Students will learn the basic vocabulary and tools needed to break down scenes from a film and to thereby build an interpretation of the film as a whole. Each week we will watch and discuss a new feature-length film. Then, in the second class of that week, we will analyze this film in detail. In the second half of this class, students will also be exposed to a few of the major critical approaches and theoretical perspectives used in the field of film studies. The overall goal will be to approach cinema with passion and curiosity—and to appreciate its role in shaping how we see the world. Class requirements include quizzes on the readings, a mid-term exam, final paper, and a class presentation.

GenEd.: CLA-Breadth/Interdisciplinary, CLA-

The American Novel – 40039 – ENGL 115 – B
4 credits. This course explores the development of the American novel from the mid-nineteenth century through the present. We’ll examine the formal and thematic developments of the novel with particular emphasis on fiction’s engagement with history and national identity. How and why do certain novels lend themselves to national identification? How do novels represent and challenge the boundaries associated with nation, race, and region? How do they represent and forge communities? And how do they critique the formative logic around which communities cohere? We’ll address these questions and more through a close study of novels by Nathaniel Hawthorne, Henry James, William Faulkner, and Toni Morrison.

Geographic Information Systems – 40032 – ESS 302 – A
4 credits. This course explores GIS (Geographic Information System) and related spatial analysis tools, which are used to elucidate the natural landscape and human modification of the earth’s surface. Students will acquire cartographic, ArcGIS, and remote sensing skills through case studies and individual research investigations. Enrollment priority: Given to majors in Biology, Environmental Studies, and Archaeology. Same as: BIOL 302.

Topics in Creative Writing: Fiction and Non-Fiction – 40040 – ENGL 213 – B
4 credits. A creative writing workshop in creative non-fiction, poetry, or fiction, that focus on a particular theme, sub-genre, or problem. Topics could include writing that engages with the public sphere; occasional poetry (poetry that is composed for a particular occasion or is meant to be delivered to a particular person); interart poetry that engages with the visual arts, music, or vocal performance; writing that engages with a particular place such as New York City or the Drew campus; writing that combines genres or works intertextually; writing that engages with new media. Course may be repeated.

Introductory Statistics – 40041 – MATH 117 – A
4 credits. This course is designed to enable you to use statistics for data analysis and to understand the use of statistics in the media. The course makes use of SPSS, a widely-used statistics package for the computer. Course topics include graphical and tabular presentation of data, measures of central tendency, dispersion, and shape, linear transformations of data, correlation,
regression, basic probability and the normal probability model, sampling, t-tests, and one-way analysis of variance.

**GenEd.:** CLA-Quantitative  
**Instructor:** Prof. Christopher Apelian  
**Dates:** May 18 – June 25  
**Times:** 9:00 a.m. – 11:15 a.m.  
**Days:** M, T, TH  
**Room:** Seminary Hall 101

**Calculus and Analytical Geometry I – 40042 – MATH 150 – D**  
4 credits. Functions, limits, continuity, and differentiation and its applications; introduction to integration including definite and indefinite integrals and the fundamental theorem of calculus; analysis of graphical and numerical information. No student may receive credit for both AP calculus AB or BC and MATH 150.  
**Prerequisite:** Three years of high school mathematics including trigonometry.  
**GenEd.:** CLA-Quantitative  
**Instructor:** Prof. Robert McLoughlin  
**Dates:** May 18 – June 25  
**Times:** 5:45 p.m. – 8:30 p.m.  
**Days:** M, T, TH  
**Room:** Seminary Hall 101

**Introduction to Philosophy – 40043 – PHIL 101 – A**  
4 credits. A probing of fundamental philosophical questions such as: Are there rational grounds for the existence of God? Can the notion of God be reconciled with the presence of evil? How do we know what we know? What is a cause? Could there be disembodied thoughts? Is human behavior free or is it determined? Are there objective grounds for values? What makes a society just? What counts as a good explanation? The specific questions for extended study are selected by the instructor.  
**GenEd.:** CLA-Breadth/Humanities  
**Instructor:** Prof. Seung-Kee Lee  
**Dates:** May 18 – June 25  
**Times:** 9:20 a.m. – 12:50 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 204

**Philosophy of Religion – 40044 – PHIL 328 – B**  
4 credits. An exploration of whether or not belief in the existence of God is rational. Arguments are considered based on the origin of the universe, the problem of evil, the nature and variety of religious experience, the phenomenon of morality, and the ethics of belief.  
**GenEd.:** CLA-Breadth/Humanities  
**Instructor:** Prof. Seung-Kee Lee  
**Dates:** May 18 – June 25  
**Times:** 1:00 p.m. – 4:30 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 204

**Introductory Astronomy I: The Solar System – 40045 – PHYS 101 – B**  
4 credits. An introduction to the astronomy of the solar system. The first part of the course will focus on some foundational material. This introductory material includes the celestial sphere, apparent motion of objects in the sky, angular distance measurements, the electromagnetic spectrum, spectroscopy, and telescopes. We will then go on to discuss the overall scale and structure of the solar system as well as the properties of the planets and major non-planetary components of the solar system, including asteroids, comets, meteoroids, and interplanetary dust. This course includes quantitative reasoning and problem solving, which requires the use of simple algebra. In addition, there will be an observational component using Drew’s telescopes.  
**GenEd.:** CLA-Breadth/Natural Science, CLA-Quantitative  
**Instructor:** Prof. Robert Murawski  
**Dates:** May 19 – June 11  
**Times:** 1:00 p.m. – 4:10 p.m.  
**Days:** T, W, TH  
**Room:** Hall of Sciences S244

**International Relations – 40046 – PSCI 104 – B**  
4 credits. A consideration of both the realities and theoretical foundations of international relations. Themes covered include nationalism, statehood, diplomacy and negotiation, foreign policy decision-making, international political economy, global integration movements, war and other forms of international conflict, international law and organization.  
**GenEd.:** CLA-Breadth/Social Science  
**Instructor:** Prof. Sangay Mishra  
**Dates:** May 19 – June 25  
**Times:** 1:00 p.m. – 3:15 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 201

**European Politics – 40047 – PSCI 225 – B**  
4 credits. A study of the political systems of selected European countries within a comparative framework. Topics may include political culture, party systems, ideology, parliamentary systems, and public policies.  
**GenEd.:** CLA - Diversity/International  
**Instructor:** Prof. Jason Jordan  
**Dates:** May 19 – June 25  
**Times:** 1:00 p.m. – 4:30 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 216

**Terrorism – 40048 – PSCI 243 – D**  
4 credits. Americans have paid closer attention to terrorism after the September 11, 2001, attacks. However, terrorism is neither new nor a distinctive threat to the United States. In fact, terrorist attacks have been commonplace since 1945. This course presents an overview of terrorism’s evolution in the late twentieth and early twenty-first centuries. This course is divided into four parts. Part one provides a historical overview of terrorism and distinguishes it from other forms of political violence. Part two compares and contrasts ethno-nationalist and religious terrorist organizations, showing how both groups, while informed by different mindsets, use terrorist tactics in an attempt to achieve clear political ends. Part three examines the evolving strategic logic of suicide terrorism. Part four shows how the forces of globalization are changing the scope and strategies of terrorist groups employ.  
**GenEd.:** CLA-Breadth/Social Science  
**Instructor:** Prof. Carlos Yordan  
**Dates:** May 19 – June 14  
**Times:** 5:00 p.m. – 8:30 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 201
Research Methods in Psychology – 40219 – PSYC 211-A
4 credits. An examination of research methods and statistical analysis in psychology with emphasis on experimental methodologies. Students will gain experience in all aspects of empirical research and writing.
Pre-requisite: PSYC 101, PSYC 110 and a C- or better in MATH 117.
Instructor: Prof. Scott Morgan
Dates: May 18 – June 25
Times: 10:15 a.m. – 12:30 p.m.
Days: M, T, TH
Room: Hall of Sciences S3A

Learning and Behavior – 40050 – PSYC 351-A
4 credits. This course examines the mechanisms of learning, with content derived from human and non-human research. Topics include non-associative learning, classical conditioning, instrumental conditioning, observational learning, drug addiction, and the biological substrates of learning. In addition to examining basic learning mechanisms, the course explores the ways in which principles derived from basic research are applied in education and clinical settings.
Pre-requisite: PSYC 211, NEUR 210, or permission of instructor.
Instructor: Prof. Graham Cousens
Dates: May 18 – June 24
Times: 9:00 a.m. – 12:30 p.m.
Days: M, W
Room: Hall of Sciences S106

Lab in Learning and Behavior – 40051 – PSYC 351-L – AB
2 credits. An optional laboratory course to be taken with or after completing PSYC 351. Students will explore the methodological and measurement practices that are commonly employed in research on behavioral conditioning by completing hands-on activities and projects. Multiple lab reports will be required.
Pre-requisite: PSYC 211, NEUR 210, PSYC 351
Co-requisite: Learning and Behavior – 40050 – PSYC 351-A
Gen.Ed.: CLA-Writing Intensive
Instructor: Prof. Graham Cousens
Dates: May 18 – June 22
Times: 1:00 p.m. – 4:30 p.m.
Days: W
Room: Hall of Sciences S106

Business Ethics – 40052 – REL 214 – B
4 credits. A philosophical and theological study of those ethical, religious, and social issues that play an important role in thinking morally about economic and business practices. Attention is paid to practical ethical problems arising out of the functional areas of management and the wider areas of business and social responsibility in relation to the community, ecology, minorities, the role of multinationals and public safety.
Gen.Ed.: CLA-Breadth/Humanities
Instructor: Prof. Darrell Cole
Dates: May 19 – June 11
Times: 1:00 p.m. – 4:30 p.m.
Days: T, W, TH
Room: Brothers College 117

The Sociology of Management – 40053 – SOC 217-A
4 credits. A presentation of the main themes involved in the management of corporations and other business organizations. The themes examined are communication, decision making, innovation, leadership, strategy, and politics.
Instructor: Prof. Jonathan Reader
Dates: May 19 – June 14
Times: 9:20 a.m. – 12:30 p.m.
Days: T, W, TH
Room: Brothers College 103

Fundamentals of Oral and Written Spanish I – 40054 – SPAN 101-A
4 credits. An introduction to the language and cultures of the Spanish-speaking world. Development of listening, speaking, reading, and writing using a communicative, proficiency-oriented approach. Interactive practice is enhanced by multimedia/technology. Designed for students who have not taken Spanish before. Twenty-five percent of the course done outside class using various technologies.
Instructor: Prof. Mercedes Aspinall
Dates: May 19 – June 14
Times: 9:20 a.m. – 12:30 p.m.
Days: T, W, TH
Room: Brothers College 216

Intermediate Spanish – 40055 – SPAN 201-A
4 credits. Continuation of the Spanish language sequence with a concentration on refinement of skills in written expression and spoken accuracy. Uses Hispanic cultural and literary texts to assist in vocabulary expansion and to develop techniques in mastering authentic language in context. Twenty-five percent of the course done outside class using various technologies. Special sections of the course may be offered with a focus on Spanish for business.
Pre-requisite: SPAN 102, SPAN 182, or placement.
Gen.Ed.: CLA-Literature/Humanities
Instructor: Prof. Raul Rosales
Dates: May 19 – June 11
Times: 9:20 a.m. – 12:30 p.m.
Days: T, W, TH
Room: Brothers College 217

Ceramic Sculpture I – 40056 – ART 112-A
4 credits. An introduction to the creative possibilities of ceramics emphasizing diverse approaches to clay as a sculptural material. Exploration of handbuilding techniques, glazing and firing, mold making and casting, as well as ceramic tile mosaic and mixed media, to consider issues of form, content, surface, scale, color, and process. Class discussions establish connections between clay investigations and fundamental questions from contemporary and art history.
Gen.Ed.: CLA-Breadth/Arts
Instructor: Prof. William Mutter
Course Fee: $100
Dates: June 29 – August 5
Times: 9:00 a.m. – 12:30 p.m.

SummerTerm Session II
Ceramic Sculpture II – 40057 – ART 212 – A
4 credits. Students develop more advanced and individualized approaches to clay. Emphasis on greater student independence and ambition in terms of confronting technical challenges and developing a personal direction.

Pre-requisite: ART 112 - Ceramic Sculpture I
Instructor: Prof. William Mutter
Course Fee: $100
Dates: June 29 – August 5
Times: 9:00 a.m. – 12:30 p.m.
Days: M, W
Room: Dorothy Young Center for Arts 8

This course is associated with the Wall Street Summer Program. Please scroll to the end of this document for additional information.

Principles of Chemistry II – 40191 – CHEM 160 – B
4 credits. A continuation of CHEM 150/CHEM 151 covering the structure of solids, kinetics, thermodynamics, equilibria, electrochemistry, and the principles of descriptive inorganic chemistry, including the transition metals.

Pre-requisite: C- or better in CHEM 150/CHEM 151
Co-requisite: Principles of Chemistry II Lab – 40172 – CHEM 160L – A
GenEd.: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: TBA
Dates: June 29 – July 23
Times: 12:30 p.m. – 3:30 p.m.
Days: M, T, W, TH
Room: Hall of Sciences S4

Principles of Chemistry II – 40192 – CHEM 160A – B
3 credits. A continuation of CHEM 150/CHEM 151 covering the structure of solids, kinetics, thermodynamics, equilibria, electrochemistry, and the principles of descriptive inorganic chemistry, including the transition metals. Instructor’s signature required. Offered summer only.

Pre-requisite: C- or better in CHEM 150/CHEM 151
GenEd.: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: TBA
Dates: June 29 – July 23
Times: 12:30 p.m. – 3:30 p.m.
Days: M, T, W, TH
Room: Hall of Sciences S4

Object Oriented Programming – 40212 – CSCI 151 – B
4 credits. An introduction to problem solving with computers, using the Python programming language. Students will learn to design, implement, document and test programs. Language topics include iteration, decision, user defined functions, and structured data types. No previous programming experience is expected. Prospective computer science majors or minors should begin with this course, which is also appropriate for students who wish to learn some programming, but plan to take no additional computer science courses. Python is a widely-used and accessible programming language for which many excellent tools and libraries exist.

GenEd.: CLA-Quantitative
Instructor: Prof. Emily Hill
Dates: July 6 – August 6
Times: 10:00 a.m. – 12:30 p.m.
Days: M, W
Room: Brothers College 21

Organic Chemistry II – 40121 – CHEM 350 – B
4 credits. A continuing systematic study of organic reactions organized on the basis of reaction mechanisms. Topics include aromaticity, carbonyls, carboxyls, amines, orbital symmetry controlled processes, and organic synthesis. Includes spectroscopic analysis. Discusses classes of compounds of biological significance.

Pre-requisite: C- or better in CHEM 250
GenEd.: CLA-Breadth/Natural Science
Co-requisite: Organic Chemistry II Lab – 40127 – CHEM 350L – A
Instructor: Prof. Sandra Keyser
Dates: June 29 – July 30
Times: 12:30 p.m. – 3:30 p.m.
Days: M, T, W, TH
Room: Hall of Sciences S142

Organic Chemistry II Lab – 40127 – CHEM 350L – A
3 credits. A continuing systematic study of organic reactions organized on the basis of reaction mechanisms. Topics include aromaticity, carbonyls, carboxyls, amines, orbital symmetry controlled processes, and organic synthesis. Includes spectroscopic analysis. Discusses classes of compounds of biological significance. Offered summer only.

Pre-requisite: CHEM250 and instructor’s signature
Instructor: Prof. Sandra Keyser
Dates: June 29 – July 30
Times: 12:30 p.m. – 3:30 p.m.
Days: M, T, W, TH
Room: Hall of Sciences S142

Introduction to Computers and Computing – 40059 – CSCI 117 – A
4 credits. An introduction to problem solving with computers, using the Python programming language. Students will learn to design, implement, document and test programs. Language topics include iteration, decision, user-defined functions, and structured data types. No previous programming experience is expected. Prospective computer science majors or minors should begin with this course, which is also appropriate for students who wish to learn some programming, but plan to take no additional computer science courses. Python is a widely-used and accessible programming language for which many excellent tools and libraries exist.

GenEd.: CLA-Quantitative
Instructor: Prof. Emily Hill
Dates: July 6 – August 6
Times: 10:00 a.m. – 12:30 p.m.
Days: M, W
Room: Brothers College 21

Object Oriented Programming – 40212 – CSCI 151 – B
4 credits. Designing, writing, and testing structured computer programs. Decomposing problems; writing function definitions; conditional and iterative control constructs; using class libraries. Problem-solving through programming with classes and vectors; algorithm correctness; recursion. Java will be the language of instruction. Same as: MAT+868.

**Prerequisite:** C- or better in CSCI 115 or CSCI 117  
**GenEd.:** CLA-Quantitative  
**Instructor:** Prof. Emily Hill  
**Dates:** July 6 – August 6  
**Times:** 1:00 p.m. – 3:30 p.m.  
**Days:** M, W, TH  
**Room:** Brothers College 21

*Wall Street and the Economy – 40183 - ECON 281 – X2*

This course is associated with the Wall Street Summer Program. Please scroll to the end of this document for additional information.

**Topics in Literary Studies: The Literature of Aids – 40061 – ENGL 115 – D**  
4 credits. This course allows students to explore a special topic or area not regularly taught in the curriculum and likely to be of particular interest to non-majors. Topics might include: supernatural fiction and fantasy, the Gothic, science fiction, detective fiction, topics in popular culture. May be repeated as topic varies. Check department listing for offering.

**GenEd.:** CLA- Breadth/Humanities  
**Instructor:** Prof. John McIntyre  
**Dates:** June 29 – August 6  
**Times:** 5:00 p.m. – 6:40 p.m.  
**Days:** M, T, W, TH  
**Room:** Brothers College 203

**Literary Analysis – 40062 – ENGL 150 – B**  
4 credits. Emphasis in the first part of the course is on expanding and honing strategies for close reading. The course covers accuracy and richness of interpretation, narrative theory, moving beyond the boundaries of the text to other cultural documents, reading drama performatively. By the end of the course, students should understand and be able to use a variety of criteria for judging the legitimacy of their own and others’ interpretations. Students will be introduced to a range of ways that scholars work in the field of literary study. Emphases vary depending on instructor. Offered every semester.

**GenEd.:** CLA- Breadth/Humanities  
**Instructor:** Prof. Henry Margenau  
**Dates:** June 29 – August 6  
**Times:** 1:00 p.m. – 4:30 p.m.  
**Days:** M, T, TH  
**Room:** Brothers College 202

**Blogs, Tweets, and Social Media: The Art of Digital Communication – 40063 – ENGL 219 – A**  
4 credits. This course explores the relationship between audience, purpose and text in a cross section of electronic formats, including tweets, blogs, Facebook posts, discussion groups, text messages, and various social media and curation sites. We will develop criteria for evaluating each form of writing, find examples, assess what makes them effective (including questions of ethics and responsibility), consider the decoding skills they demand from readers, and practice the form ourselves. We will also explore broader social, ethical, and philosophical issues raised by these media and consider the positive and negative aspects of various forms of online communication. Students are not expected to be familiar with all forms of social media before entering the course, although some of the class writing will be in these formats and students will be asked to develop a coherent online presence (or brand).

**GenEd.:** CLA-Writing Intensive  
**Instructor:** Prof. Sandra Jamieson  
**Dates:** June 30 – August 6  
**Times:** 10:00 a.m. – 12:05 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 18

**Introduction to Climate Change – 40176 – ESS 103 – B**  
4 credits. Human-caused climate change represents one of the great environmental challenges of our time. In this introductory course we will explore the science of global climate change and the projected consequences. Students will learn how the climate system works and what factors cause it to change across various time scales. We will investigate the structure, composition and circulation of the atmosphere and oceans; the greenhouse effect, earth’s energy balance and the various relationships among these major components of the planetary system. Scientists recognize that for millions of years the earth has been through many natural warming and cooling cycles. We are in a warming phase today.

We’ll explore what is different about the process now relative to earlier periods in earth’s history. There is a crucial link between our various energy sources and global warming. We’ll investigate this link as it applies to carbon fuels, nuclear power and renewable alternatives such as solar and wind. We will also investigate how in the coming decades projected climate changes are likely to have an enormous impact on our planet’s people, cities and ecosystems. We’ll look at mitigation options such as clean energy alternatives, carbon capture, climate engineering and cap and trade policies.

**GenEd.:** CLA-Breadth/Natural Science  
**Instructor:** Prof. David Jaquish  
**Dates:** June 30 – August 6  
**Times:** 1:00 p.m. – 4:10 p.m.  
**Days:** T, TH  
**Room:** Hall of Sciences S105

**Introductory Statistics – 40079 – MATH 117 – B**  
4 credits. This course is designed to enable you to use statistics for data analysis and to understand the use of statistics in the media. The course makes use of SPSS, a widely-used statistics package for the computer. Course topics include graphical and tabular presentation of data, measures of central tendency, dispersion, and shape, linear transformations of data, correlation, regression, basic probability and the normal probability model, sampling, t-tests, and one-way analysis of variance. Same as: MAT+861.

**GenEd.:** CLA-Quantitative  
**Instructor:** Prof. Virginia Crisonino  
**Dates:** June 29 – August 6  
**Times:** 2:15 p.m. – 4:30 p.m.  
**Days:** M, W, TH  
**Room:** Brothers College 217

**Calculus and Analytic Geometry II – 40144 – MATH 151-D2**  
4 credits. Integration, including techniques of integration, improper integrals, and applications; polar coordinates, parametric equations, Taylor polynomials, sequences and series.
**No student may receive 8 credits for AP calculus BC and MATH 151**

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<thead>
<tr>
<th>Prerequisite</th>
<th>C- or better in <strong>MATH 150</strong></th>
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<tr>
<td>GenEd.</td>
<td>CLA-Quantitative</td>
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<tr>
<td>Instructor</td>
<td>Prof. Virginia Crisonino</td>
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<td>Dates</td>
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<td>Room</td>
<td>Brothers College 217</td>
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**Introduction to Neuroscience – 40068 – NEUR 101 - B**

4 credits. This introductory course explores how the physical properties of the brain give rise to mental processes. Students will investigate current major challenges in neuroscience research such as searching for a cure to Alzheimer’s disease, examining the biological basis of memory and investigating the nature of consciousness. While focusing in these challenges, students will learn important fundamental knowledge of neuroscience in the area of genetics, neurotransmission, neural development, brain anatomy, cognition and computational neural modeling.

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<thead>
<tr>
<th>GenEd.</th>
<th>CLA-Breadth/Interdisciplinary, CLA-Breadth/Natural Science</th>
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<tr>
<td>Instructor</td>
<td>Prof. Roger Knowles</td>
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<tr>
<td>Dates</td>
<td>July 6 – August 5</td>
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<td>Hall of Sciences S139</td>
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**Images of Africana People Through Cinema – 40069 – PAST 201 – D**

4 credits. A study of issues, problems, and ideas in Africa or the African diaspora. An experimental learning approach will expose students to people and activities outside of the classroom and off campus; these experiences might include, but would not be limited to, presentations by outside speakers and field trips. This seminar was endowed by a gift from William Freeman C’74 and his wife Ellen. Course may be repeated. Enrollment priority: Given to Pan African Studies Majors and Minors. Recommended: **PAST 101**.

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<tr>
<th>GenEd.</th>
<th>CLA-Breadth/Interdisciplinary, CLA-Diversity/International</th>
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<tr>
<td>Instructor</td>
<td>Prof. Ebenezer Obiri Addo</td>
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<tr>
<td>Dates</td>
<td>June 29 – August 5</td>
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<td>Brothers College 204</td>
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4 credits. The course explores how political, economic, social, and cultural forces affect public health policy. Using the perspectives of critical medical anthropology and social medicine, it examines a number of health policy issues including socioeconomic inequality and its impact on health, environmental health, women’s health, HIV/AIDS, obesity and diabetes, and the rise of drug-resistant tuberculosis.

| Instructor   | Prof. Linda Van Blerkom                                  |
| Dates        | June 30 – August 6                                        |
| Times        | 5:20 p.m. – 8:30 p.m.                                     |
| Days         | T, TH                                                     |
| Room         | Brothers College 215                                     |

**Physics in Modern Medicine – 40070 – PHYS 104 – B**

4 credits. This course is a gentle introduction to medical physics, the application of physics to medicine. Its topics include X-rays, radiation therapies, laser surgery, MRI, ultrasound imaging, etc. These topics are of interest to not just physicists and doctors, but everyone who will encounter (if not already) some of these technologies in his/her life. This course is designed to be accessible to non-majors, who are interested in how they work. The science majors will learn how the fundamental physics principles (such as optics, waves, energy, etc.) are being applied in the new context of modern medicine, and thereby deepen their understanding of these principles. May be repeated as topic varies with the permission of the instructor. Signature of instructor required for registration.

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<thead>
<tr>
<th>GenEd.</th>
<th>CLA-Breadth/Social Science</th>
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<tr>
<td>Instructor</td>
<td>Prof. Minjoo Koo and Bjorg Larson</td>
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<td>Dates</td>
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**The Law Behind the Headlines – 40206 – PSCI 256 – B**

4 credits. Whether it is the legalization of same-sex marriage, the military campaign against ISIL in Syria and Iraq, civil rights claims in the context of police brutality and shootings in the United States, or net neutrality and the cost of your Netflix or cable bills, so many of today’s current events seem to involve important legal questions. This Summer course will introduce students to some of the key legal principles behind today’s headlines, from separation of powers, the foundations of our civil rights system and the President’s commander in chief powers. Drawing on Constitutional Law as well as other foundations of our legal system, the course should appeal to students in Drew’s Pre-Law, pre-professional program, as well as to students with an interest in politics and government, social studies, international relations, business and American Studies.

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<th>GenEd.</th>
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<tr>
<td>Instructor</td>
<td>Prof. Jeremy Hirsch</td>
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<td>Dates</td>
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**Selected Studies in Political Science – Introduction to Legal Education – 40190 - PSCI 256 – D**

4 credits. This course gives an overview of the main subjects taught during the first year of law school: constitutional law; civil procedure; criminal law; torts; contracts; and property. Within each topic, the interrelationship between law and public policy is discussed. Legal research will also be a focus of the course.

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<tr>
<th>GenEd.</th>
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<tr>
<td>Instructor</td>
<td>Prof. Michael DeLoreto</td>
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<tr>
<td>Dates</td>
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**Introduction to Psychology – 40071 – PSYC 101 – A**

4 credits. A consideration of the methods and discoveries of psychology in the study of behavior and experience. Includes both theoretical and experiential components. A prerequisite to all intermediate- and upper-level courses in psychology. Students
may not receive credit for both AP psychology and PSYC 101. Offered every semester.

**GenEd.:** CLA-Breadth/Social Science  
**Instructor:** Prof. Patrick Dolan  
**Dates:** June 30 – August 6  
**Times:** 9:20 a.m. – 12:30 p.m.  
**Days:** T, TH  
**Room:** Brothers College 204

**Biological Psychology – 40072 – PSYC 220 – A**  
4 credits. An examination of the biological bases of behavior. Topics include the anatomy and physiology of neuronal interactions, sensory systems, behavioral development, motivation, learning, memory, and psychopathology.  
**Pre-requisite:** PSYC 101 and either PSYC 110 or permission of instructor  
**GenEd.:** CLA-Breadth/Interdisciplinary  
**Instructor:** Prof. Christopher Medvecky  
**Dates:** June 29 – July 23  
**Times:** 10:00 a.m. – 12:30 p.m.  
**Days:** M, T, W, TH  
**Room:** Hall of Sciences S3A

**Abnormal Psychology – 40073 – PSYC 348 – A**  
4 credits. An examination of the theories of psychopathology with emphasis on current theoretical models and the relationships of the study of psychopathology to social issues. Discussion of the nature, classification, causes, and treatment of major forms of psychopathology.  
**Pre-requisite:** PSYC 101, second year or higher standing required  
**Instructor:** Prof. George-Harold Jennings  
**Dates:** June 30 – August 6  
**Times:** 9:15 a.m. – 12:30 p.m.  
**Days:** T, TH  
**Room:** Brothers College 103

**Global Burden of Mental Illness – 40074 – PSYC 360 – A**  
4 credits. Disease states with the greatest impact on quality of life have a relatively early onset and a chronic non-fatal course. These features are characteristic of a number of neuropsychiatric and behavioral disorders, several of which are disproportionately represented in economically developing areas of the world. Using a recent World Health Organization report on global disease burden as an initial framework, this course will examine the etiological, epidemiological, demographic issues associated with chronic psychological disease states. In addition, the course will explore disparities between industrialized and developing areas of the world in the research and treatment of these disorders.  
**Pre-requisite:** Instructor permission  
**Instructor:** Prof. Graham Cousens  
**Dates:** June 29 – August 5  
**Times:** 9:00 a.m. – 12:30 p.m.  
**Days:** M, W  
**Room:** Brothers College 215

**Introduction to Sociology – 40075 – SOC 101 – B**  
4 credits. A prerequisite to all other courses in sociology. An in-depth analysis of the ways in which sociologists view the world. Topics include deviance, the family, the economy, gender, inequality, politics, race and ethnicity, socialization, and social change. Offered every semester.  
**GenEd.:** CLA-Breadth/Social Science  
**Instructor:** Prof. Caitlin Killian  
**Dates:** June 30 – July 23  
**Times:** 1:00 p.m. – 4:10 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 201

**Fundamentals of Oral and Written Spanish II – 40076 – SPAN 102 – A**  
4 credits. Continuation of the introduction to the Spanish language. Progressive mastering of the four skills of listening, speaking, reading and writing. Emphasis on using language in context to expand self-expression. Twenty five percent of the course done outside of class using various technologies. Special sections of the course may be offered with a focus on Spanish for business.  
**Pre-requisite:** SPAN 101, SPAN 181 or placement  
**Instructor:** Prof. Felicidad Obregon  
**Dates:** June 30 – July 23  
**Times:** 9:20 a.m. – 12:30 p.m.  
**Days:** T, W, TH  
**Room:** Brothers College 217

**Theatre in the Community: The Newark Collaboration – 40096 – THEA 386 – A**  
4 credits. This course is a collaborative theatre-making enterprise in which Drew students will team with high school students from the Newark inner city schools to create original work that will be presented both on Drew’s campus and at the Marion Bolden Student Center in Newark. Classes will likewise meet at both locations, with Drew students and Newark students traveling to the two sites by turn. Drew participants will both mentor and share in the process of original play development and performance. In addition to the weekly play development workshops and rehearsals with the Newark students, Drew participants will meet frequently on their own, to assess and develop strategies for facilitating the work of the full group and keeping it on track. A research component studying the historical impact of community-based theaters around the globe, together with a final paper, will also be required of Drew students. Course may be repeated. Enrollment priority: Priority given to theatre majors, theatre minors, and seniors. Signature of instructor required for registration.  
**Pre-requisite:** Prerequisite: At least 8 prior credits of theatre classes required  
**GenEd.:** CLA-Civic Engagement, CLA-Diversity US, CLA-Off Campus Exp.  
**Instructor:** Profs. Lisa Brenner & Christopher Ceraso  
**Dates:** July 6 – July 30  
**Times:** 10:00 a.m. – 3:00 p.m.  
**Days:** M, T, W, TH  
**Room:** Dorothy Young Center for Arts 137
Theatre Arts Summer Program: Broadway and Beyond

Session I

The New York Theatre Then and Now – 40077 – THEA 375 – A1

4 credits. This unit consists of regular play-going (one show per week), lectures, colloquia, museum visits and historical tours, as well as “meet-the-artists” sessions. In addition to seeing selected Broadway and Off-Broadway shows, participants will have the opportunity to meet significant artists who are currently active in the Broadway and off-Broadway Theatre, and take hands-on-workshops with expert teaching artists in the field of “aesthetic education” before and after play-going. Guided architectural lecture tours will take students through the historical and modern glories and ghosts of the New York Theatre, complemented by museum and research library visits. Classes meet Mondays and Wednesdays in New York City and Tuesdays and Thursdays at Drew University in Madison, New Jersey.

Gen.Ed.: CLA-Breadth/Arts
Instructor: Jamie V. Richards
Course Fee: $250
Dates: June 1 – June 18
Days and Times: M, T, TH: 10:00 a.m. to 1:00 p.m.
Additional Times: Wednesday, 6/3/15: 2:00 p.m. – 7:00 p.m.
Wednesday, 6/10/15: 2:00 p.m. – 10:30 p.m.
Wednesday, 6/17/15: 2:00 p.m. – 7:00 p.m.
Thursday, 6/18/15: 6:00 p.m. – 9:00 p.m.

You and Your Theatre Career – 40078 – THEA 375 – B1

4 credits. Discipline-oriented training in Acting, Singing, Playwriting and Writing for the Musical Stage. Students will take a range of classes from Drew faculty, and selected noted guest artists active in the current Broadway and Off-Broadway theatre. A final presentation of student work will take place in the final week of classes in New York City, for an invited audience of friends and professional artists. Classes meet Monday and Wednesday in New York City and Tuesdays and Thursdays at Drew University in Madison, New Jersey (except for the final Thursday showcase which will take place in NYC.

Instructor: Christopher Ceraso & Rosemary McLaughlin
Course Fee: $250
Gen.Ed.: CLA-Breadth/Arts
Dates: June 1 – June 18
Days and Times: M, T, TH, 2:00 p.m. - 5:00 p.m.
Additional Times: Wednesday, 6/3/15: 10:00 a.m. – 7:00 p.m.
Wednesday, 6/10/15: 2:00 p.m. – 10:30 p.m.
Wednesday, 6/17/15: 10:00 a.m. – 7:00 p.m.
Thursday, 6/18/15: 6:00 p.m. – 9:00 p.m. (final performance in New York)

Room: Dorothy Young Center for Arts 105

Theatre Arts Summer Program: Broadway and Beyond

Session II

The New York Theatre Then and Now – 40080 – THEA 375 – A2

4 credits. This course consists of regular play-going (one show per week), lectures, colloquia, museum visits and historical tours, as well as “meet-the-artists” sessions. In addition to seeing selected Broadway and Off-Broadway shows, participants will have the opportunity to meet significant artists who are currently active in the Broadway and off-Broadway Theatre, and take hands-on-workshops with expert teaching artists in the field of “aesthetic education” before and after play-going. Guided architectural lecture tours will take students through the historical and modern glories and ghosts of the New York Theatre, complemented by museum and research library visits. Classes meet 4 days a week, Monday through Thursday, in New York City and on Drew’s campus in Madison, New Jersey.

Instructor: Jamie V. Richards
Course Fee: $250
Gen.Ed.: CLA-Breadth/Arts
Dates: July 20 – August 6
Days and Times: M, T, TH: 10:00 a.m. to 1:00 p.m.
Additional Times: Wednesday, 7/22/15: 2:00 p.m. – 7:00 p.m.
Wednesday, 7/29/15: 2:00 p.m. – 10:30 p.m.
Wednesday, 8/5/15: 2:00 p.m. – 7:00 p.m.
Thursday, 8/6/15: 6:00 p.m. – 9:00 p.m. Students attending “The New York Theatre Then and Now” are invited to an evening showcase of the work performed by students attending “You and Your Theatre Career.” Attending this performance in New York is optional for students attending “The New York Theatre Then and Now.”
Room: Dorothy Young Center for Arts 105

You and Your Theatre Career – 40081 – THEA 375 – B2
4 credits. Discipline-oriented training in Acting, Singing, Playwriting and Writing for the Musical Stage. Students will take a range of classes from Drew faculty, and selected noted guest artists active in the current Broadway and off-Broadway theatre. A final presentation of student work will take place in the final week of classes in New York City, for an invited audience of friends and professional artists. Classes meet Monday and Wednesday in New York City and Tuesdays and Thursdays at Drew University in Madison, New Jersey (except for the final Thursday showcase which will take place in NYC.
Instructor: Jamie V. Richards
Course Fee: $250

Wall Street Summer Program
Session I

8 credits. This course studies the institutions and operations of financial markets, and their roles in channeling credit and financing new investments. Students will learn the impact of the financial system on local, national, and global economies. The course will also explain the financial history and ethical dimensions of Wall Street and its relation to macroeconomic policy. Offered summer term only.
GenEd.: CLA-Off Campus Experience
Instructor: Profs. Giandomenico Sarolli and Marc Tomljanovich
Dates: June 8 – June 26
Times: 9:00 a.m. – 5:00 p.m.
Days: M, T, W, TH, F
Location: Downtown New York

Wall Street and the Economy – 40181 – ECON 281 – X
8 credits. The operations and institutions of financial markets; their role in financing new investments, pensions, etc.; their impact on local, national, and global economies. The economic history and ethical dimensions of Wall Street and its relation to macroeconomic policy. Signature of instructor required for registration.
Pre-requisite: ECON 101 and ECON 102 and acceptance into the Wall Street Semester.
GenEd.: CLA-Off Campus Experience
Instructor: Profs. Giandomenico Sarolli and Marc Tomljanovich
Dates: June 8 – June 26
Times: 9:00 a.m. – 5:00 p.m.
Days: M, T, W, TH, F
Location: Downtown New York
Wall Street Summer Program  
Session II

8 credits. This course studies the institutions and operations of financial markets, and their roles in channeling credit and financing new investments. Students will learn the impact of the financial system on local, national, and global economies. The course will also explain the financial history and ethical dimensions of Wall Street and its relation to macroeconomic policy. Offered summer term only. Offered summer term only.  
GenEd.: CLA-Off Campus Experience  
Instructor: Profs. Giandomenico Sarolli and Marc Tomljanovich  
Dates: July 13 – July 31  
Times: 9:00 a.m. – 5:00 p.m.  
Days: M, T, W, TH, F  
Location: Downtown New York

Wall Street and the Economy – 40183 – ECON 281 – X2  
8 credits. The operations and institutions of financial markets; their role in financing new investments, pensions, etc.; their impact on local, national, and global economies. The economic history and ethical dimensions of Wall Street and its relation to macroeconomic policy.  
Prerequisite: ECON 101 and ECON 102 and acceptance into the Wall Street Semester. Signature of instructor required for registration.  
GenEd.: CLA-Off Campus Experience  
Instructor: Profs. Giandomenico Sarolli and Marc Tomljanovich  
Dates: July 13 – July 31  
Times: 9:00 a.m. – 5:00 p.m.  
Days: M, T, W, TH, F  
Location: Downtown New York

Studio Art Portfolio Preparation Program

Mixed Media – 40099 – ART 030 – X  
Non-credit course for high school students only. Use drawing, painting and sculpture skills to create a series of works on paper. Materials unique to printmaking -- collagraph, monotype, etching and relief -- will be used to make rich, colorful images. Emphasis will be placed on developing visual language with texture, layering and spontaneous application of ink using non-toxic approaches. We will use copper plates and a corrosive salt (no acid!) for etching, and build collagraphs with cardboard, thin textured materials and glue. Discussion of contemporary art practice will take place as students sample approaches to describing pertinent issues and concerns with evocative, multilevel print techniques.  
Instructor: Prof. Ahni Kruger  
Course Fee: $900  
Dates: July 6 – July 16  
Times: 9:30 a.m. – 3:30 p.m.  
Days: M, T, W, TH  
Room: Dorothy Young Center for Arts 3

Drawing – 40098 – ART 020 – X  
Non-credit course for high school students only. In this class, students will learn the basics of drawing. Through use of line, shape, mass, space, texture and color, and drawing concepts like contour drawing, gesture drawing and negative shape drawing, students will experience how these visual art elements and concepts transform into art that can effect us emotionally, physically, psychologically and intellectually. This class is designed to afford the student a strong foundation in basic drawing concepts. A variety of materials will be used for the purpose of experiencing how their personalities can influence content. Class critiques will help students to verbalize the relationship between the real world and the world of drawing.  
Instructor: Prof. William Mutter  
Course Fee: $900  
Dates: August 10 – August 20  
Times: 9:30 a.m. – 3:30 p.m.  
Days: M, T, W, TH  
Room: Dorothy Young Center for Arts 206