

Drew University
SummerTerm 2018 Course List
drew.edu/summer

Last updated 5-16-18



Lighten your fall course load.

Explore the workings of Wall Street.

Study in Ireland

Get 4 or 8 credits closer to graduation.

Take advantage of reduced tuition.

Drew University

Drew University is a fully accredited independent institution of higher learning. We offer programs of the highest academic standards in the liberal arts. Located on an idyllic wooded campus in Madison, New Jersey – just 29 miles west of New York City, Drew is known for inspired teaching, individualized experiences and educational excellence.

SummerTerm courses are intended for Drew's college students as well as visiting students from other colleges and universities. Academically talented rising high school juniors and seniors are invited to attend introductory- or intermediate-level courses at Drew for college level credit.

DATES

Session I*

Monday, May 21 – Friday, June 29, 2018

No classes on Memorial Day, May 28, 2018

Session II*

Monday, July 2 – Friday, August 10, 2018

No classes on Independence Day, July 4, 2018

**Courses may run for less than six week within each session. Please review course details below for additional information on dates, times and class duration.*

Applications Being Accepted Now

<http://www.drew.edu/summer-term/summerterm/admissions/>

Registration Begins

Monday, March 12, 2018

TUITION AND FEES

Tuition

\$721 per credit (unless otherwise noted)

\$2,884 per 4-credit course

\$5,768 per 8-credit course

Fees

Application Fee: \$25 (non-refundable)

Lab/Studio Course 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)

Financial Assistance

Financial assistance is not available for SummerTerm classes.

REGISTRATION PROCESS

Drew Students

Register via TreeHouse Self-Service. Most summer courses run on an open enrollment basis so a Pin Number will not be required to register. It is recommended that you consult with your academic advisor before making your course selections.

Visiting Students

Visiting students must be in good academic standing at their home school and have successfully met all course prerequisites in order to enroll. It is the responsibility of visiting students to secure approval from their home schools before registering for summer classes. Drew cannot guarantee that a course will be transferable but can provide course syllabi to assist with this process.

TO REGISTER

1. Submit your application by clicking the green “REGISTER/APPLY FOR CLASSES” link under the Opportunities for College Students section of the SummerTerm webpage: <http://www.drew.edu/summer-term/>
2. Once your application has been processed, you will receive an email asking you to activate your Drew account. Activating your account will give you access to TreeHouse, Drew’s student portal online. Access to TreeHouse is required in order to:
 - a) **Register for classes** by clicking on “Add or Drop Classes” under the “Registrar” heading. Please review the [Registration Instructional Video](#) for further assistance with the registration process. Keep in mind, pin numbers are not required to register for summer classes.
 - b) **Classes with prerequisites** that were not completed at Drew, will require you to complete a [Registration Agreement](#). The Registrar’s Office will manually process your request upon receipt of your completed Registration Agreement.
 - c) **Complete health forms** by clicking on “MyHealthPortal” under the “Help and Services” heading (required of all students attending summer classes).
 - d) **View your statement of charges** (payment is due before classes begin).
 - e) **Register your car for a parking pass** by clicking on “MyParking” under “Vehicles on Campus” if you plan on parking on campus.

BILLING

PAPERLESS BILLING

Please note that billing statements for summer tuition and fees are only available in electronic form. Paper billing statements will not be mailed the home addresses. Students can access their electronic billing statement through TreeHouse, their Drew student portal online, starting mid-April. For additional information regarding billing, contact Student Accounts at 973-408-3114 or studentaccounts@drew.edu. Student Accounts is located in Holloway Hall.

PAYMENT

Is due in full *before* the start of summer classes.

<http://www.drew.edu/fba/students-parents/payment-options/>

Cash Payment: must be presented in the Student Accounts Office in person.

Check or Money Order: may be presented in the Student Accounts Office or mailed to the payment address below:

Drew University
Student Accounts
36 Madison Avenue
Madison, NJ 07940

Credit/Debit Card Payments: may be authorized using an approved card through the TMS One-Time Payment Gateway which can be accessed from TreeHouse (attach your account to the transaction) or by following the link below (you must enter your student account information). There is a convenience fee of 2.99% associated with making a student account payment using a credit/debit card and is based on the amount being paid (minimum fee is \$1.00).

<https://drew.afford.com/PPT/MakeAPayment>

E-check from Checking or Savings Account: Student account and DrewCard payments may be authorized to be taken directly from your bank checking or savings account through TMS One-Time Payment Gateway (routing and account numbers required). There is no fee associated with this payment method (regardless of payment amount) for use of the automated self-service method. There is a \$10 fee if the payer chooses to speak with a TMS representative to make their payment.

Payment questions? Contact Student Accounts at 973-408-3114 or studentaccounts@drew.edu or visit:

<http://www.drew.edu/fba/students-parents/>

REFUND POLICY

The \$25 application fee is non-refundable except in cases when Drew University cancels an undergraduate course.

Institutional Refund Policies

SummerTerm refund is based upon the date of withdrawal (by emailing regist@drew.edu and summer@drew.edu). <http://www.drew.edu/fba/students-parents/institutional-refund-policies/>

Standard Schedule Classes

For any four- to six-week summer classes, the deadline for full tuition refunds is the Tuesday of the first week of classes; the deadline for a 50 percent refund is the Thursday of the first week of classes. No refunds will be issued after the Thursday of the first week of classes. The \$25 application fee is non-refundable.

Intensive Schedule Classes

Any classes meeting for fewer than four calendar weeks is considered an intensive class. Students who withdraw after registering but before the first meeting of the course will receive a full refund, less the \$25 application fee. Students who withdraw before the second full day of the course receive a 50 percent tuition refund. Students who withdraw after the second full day of the course receive no refund.

COURSE CANCELLATIONS

The university reserves the right to cancel courses. Should a course not meet sufficient enrollment, registered students will be notified one week prior to the start of that course. Students registered for a canceled course may transfer to another course or receive a full tuition refund. If you have any questions regarding the status of your summer course, please call the Office of Continuing Education at 973-408-3310.

ADDITIONAL INFORMATION

DISABILITY SERVICES

The Office of Accessibility Resources determines eligibility services for students with disabilities. All students with documented disabilities are encouraged to register with the Office of Academic Services as soon as possible. Services cannot be provided until students officially register and documentation meeting the university standards is submitted and approved. There are no retroactive accommodations. Students with disabilities should review the website below.

<http://www.drew.edu/academic-services/disability-services>

Questions? Contact Diane Moscaritolo at 973-408-3962 or dmoscaritolo@drew.edu.

HOUSING

On-campus housing is available to college students during the summer. Interested students must complete the on-line Summer Housing application at the link below.

<https://www.drew.edu/reslife/summer-housing-information>

Questions? Contact Robert Meade at 973-408-3681 or rmeade@drew.edu.

SUMMER I.D. CARDS

Students new to Drew who have registered and paid all fees may obtain their Drew Identification Card at the Student Accounts Office, located on the first floor of Holloway Hall. A Drew Identification Card is necessary in order to secure a parking pass and to borrow books from the Drew library.

PARKING PERMITS

Parking permits are required for students who will be driving to campus. The permit may be obtained at Pepin Services Center (at the cost of \$50 which will be charged to the student's account). Academic year stickers are valid through the summer for Drew students.

Before a summer parking permit can be issued, students must pay their bill in full and obtain a Drew Identification Card. They will then need to register their cars through TreeHouse under the "Vehicles on Campus" heading by clicking on "MyParking."

After registering online, students will be required to park the car they intend to drive outside Pepin Service Center and provide the following documents for review:

- Drew Student Identification Card
- Driver's License
- Vehicle Registration
- Insurance

Course Details

Course particulars and room assignments are subject to change. For the most up to date information, please visit the Registrar's Summer Term 2018 Course List at the link below:
<http://www.drew.edu/registrar/catalog>

Transcripts

The permanent records of students who are enrolled for credit are maintained by the Office of the Registrar. Summer course credits and grades for students who are matriculated at Drew are automatically added to their academic record. For visiting students, transcript will be mailed to another institution **upon request by the attending student**. Visit the following link for additional information on the transcript request process:

<http://www.drew.edu/registrar/student/transcript-requests>

Credit Courses for High School Students

- Rising high school juniors and seniors may apply to attend introductory level college credits for academic credit. The application involves submitting an application online at drew.edu/summer. In addition to the application online, students must submit the following:
 - Official High School Transcript
 - Letter of Recommendation from Teacher
 - Letter of Recommendation from Guidance Counselor
 - \$25 Application Fee (you will be billed for this)
- Application materials should be mailed to: Office of Continuing Education, Drew University, 36 Madison Avenue, Madison, NJ 07940. Letters of recommendation can be sent directly to Sunita Bhargava, Director of Transfer and Continuing Education at sbhargav@drew.edu if sent directly by your recommender.
- High school students pay a reduced \$500 per credit tuition for on-campus courses (this rate does not apply to the study abroad Global Perspectives course. The Wall Street Summer Program is not open to high school students.
- If you are interested in attending an intermediate level or upper level courses, please contact the Office of Continuing Education at summer@drew.edu or 973-408-3310 to see if special permission can be granted.

Questions? Please contact the Office of Continuing Education at 973-408-3310 or summer@drew.edu.

Course Offerings by Session

Session I

- ART 112 – A (40006) Ceramic Sculpture I
- ART 120 – A (40007) Digital Imaging
- ART 212 – A (40011) Ceramic Sculpture II
- ART 220 – A (40012) Digital Video
- ARTH 102 – A (40013) Survey of Western Art: Early Modern, Modern, and Contemporary
- ~~BIOL 250 – A (40014) Molecular and Cellular Biology (with lab BIOL 250L – A)~~
- BIOL 256 – A (40015) Anatomy and Physiology I (with lab BIOL 256L – A)
- BST 115 – A (40021) Fundamentals of Financial Accounting
- CHEM 160 – A (40022) Principles of Chemistry II (with lab CHEM 160L – A)
- CHEM 160A – A (40163) Principles of Chemistry II (Lecture Only Section)
- CHEM 250 – A (40023) Organic Chemistry I (with lab CHEM 250L – A)
- CHEM 250A – A (40164) Organic Chemistry I (Lecture Only Section)
- ~~CSCI 150 – A (40029) Introduction to Computer Science in Python~~
- ECON 102 – A (40050) Economic Principles: Macroeconomics
- ECON 281 – AX (40051) Wall Street and the Economy (The Wall Street Program)
- ENGH 120 – A (40045) Introduction to Film Analysis
- ENGH 230 – A (40166) Creative Writing Workshop: Fiction and Non-Fiction
- FILM 101 – A (40046) Introduction to Film Analysis

- ~~HIST 201 – A (40130) Selected Topics in History: Kings, Witches, and Shakespeare: Early English History~~
- MATH 117 – A (40055) Introductory Statistics
- MATH 150 – A (40056) Calculus and Analytic Geometry I
- MATH 213 – A (40060) Introduction to Logic
- NEUR 101 – A (40062) Introduction to Neuroscience
- PHIL 213 – A (40061) Introduction to Logic
- PHIL 214 – A (40064) Business Ethics
- ~~PHIL 328 – A (40066) Philosophy of Religion~~
- PHIL 330 – A (40067) Philosophy of Law
- PHYS 111 – A (40069) Introductory Physics I (with lab PHYS 113 – A)
- ~~PSCI 104 – A (40073) International Relations~~
- PSCI 330 – A (40068) Philosophy of Law
- PSYC 101 – A (40074) Introduction to Psychology
- PSYC 342 – A (40077) Social Psychology
- REL 214 – A (40065) Business Ethics
- ~~SOC 101 – A (40169) Introduction to Sociology~~
- SPAN 101 – A (40080) Fundamentals of Oral and Written Spanish I
- SPAN 201 – A (40082) Intermediate Spanish

Session II

- ANTH 104 – B (40004) Cultural Diversity: Cultural Anthropology and Linguistics
- ART 106 – B (40005) Drawing I
- ART 130 – B (40008) Photography I
- ART 130 – B1 (40009) Photograph I
- ART 160 – B (40010) Painting I
- BIOL 258 – B (40016) Anatomy and Physiology II (with lab BIOL 258L – B)
- CHEM 350 – B (40024) Organic Chemistry II (with lab CHEM 350L – B)
- CHEM 350A – B (40165) Organic Chemistry II (Lecture Section Only)
- CSCI 150 – BX (40028) Introduction to Computer Science in Python (**online**)
- CSCI 151 – B (40030) Object Oriented Programming in Java
- CSCI 190 – B (40031) Introductory Topics in Information Technology: C for Hackers
- CSCI 260 – B (40032) Introduction to Computer Systems & Architecture
- ECON 101 – B (40129) Economic Principles: Microeconomics
- ENGH 115 – B (40048) Literary Studies: Presentations of Masculinity in American Bildungsroman Film
- ENGH 121 – B (40049) Introduction to Media Studies
- ENGH 201 – B (40047) Intermediate Selected Topics in Literature: Short Fiction – the Fiction of Enclosure
- HUM 197 – X (40097) Global Perspectives through an Interdisciplinary Study of Irish History and Culture
- MATH 001 – B (40053) Preparation for Calculus
- MATH 117 – B (40054) Introductory Statistics
- MATH 150 – B (40059) Calculus and Analytic Geometry I
- MATH 151 – B (40057) Calculus and Analytic Geometry II
- MATH 250 – B (40058) Calculus and Analytic Geometry III
- MCOM 101 – B (40160) Introduction to Media Studies
- NEUR 354 – B (40063) Cognitive Neuroscience
- PHYS 112 – B (40070) Introductory Physics II (with lab PHYS 114 - B)
- PSYC 101 – B (40075) Introduction to Psychology
- PSYC 211 – B (40076) Research Methods of Psychology
- PSYC 354 – B (40078) Cognitive Neuroscience
- REL 392 – B (40079) Religious Interactions in West Africa: A History of Religions Approach
- SPAN 102 – B (40081) Fundamentals of Oral and Written Spanish II
- THEA 386 – B (40131) Theatre in the Community: The Newark Collaboration
- WGST 311 – B (40224) Women Writing in Africa – Gender in Modern African Literatures

Please note: some of the classes listed on the Registrar's course list online are not open to visiting students, such as EAP, EDUC, and off-campus programs abroad.

SummerTerm Course Details

Session I

Ceramic Sculpture I – 40006 – ART 112 – A

4 credits. An introduction to the creative possibilities of ceramics emphasizing diverse approaches to clay as a sculptural material. Exploration of hand building 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.

GenEd.: CLA-Breadth/Arts
Instructor: Prof. William Mutter
Course Fee: \$100
Dates: May 21 – June 27 (6 weeks)
Times: 9:00 a.m. – 12:30 p.m.
Days: M, W
Room: Dorothy Young Center for Arts 7

Digital Imaging – 40007 – ART 120 – A

4 credits. This course introduces the computer as a fine arts tool, and provides an overview of digital arts concepts and terminology. Students will solve design problems using a variety of computer software applications. Critical awareness of new media in a historical context is encouraged through lectures, discussion and critiques.

GenEd: CLA-Breadth/Arts
Course Fee: \$60
Instructor: Prof. Janne Hoeltermann
Dates: May 22 – June 14 (4 weeks)
Times: 1:00 p.m. – 4:30 p.m.
Days: T, W, TH
Room: Dorothy Young Center for Arts 102

Ceramic Sculpture II – 40011 – 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](#)
Instructor: Prof. William Mutter
Course Fee: \$100
Dates: May 21 – June 27 (6 weeks)
Times: 9:00 a.m. – 12:30 p.m.
Days: M, W
Room: Dorothy Young Center for Arts 7

Digital Video – 40012 – ART 220 - A

4 credits. Introduces digital video as a creative tool and offers a technical understanding of the video camera and non-linear editing. Students will learn to manipulate time, space and sound to create sequential, narrative and experimental works. Projects explore both formal and

conceptual issues integral to the history of video and filmmaking.

GenEd: CLA – Breadth/Arts
Course Fee: \$60
Instructor: Prof. Janne Hoeltermann
Dates: May 22 – June 14 (4 weeks)
Times: 9:00 a.m. – 12:30 p.m.
Days: T, W, TH
Room: Dorothy Young Center for Arts 102

Survey of Western Art: Early Modern, Modern and Contemporary 40013 – ARTH 102 – A

4 credits. This course is a chronological survey of western art and architecture from the fourteenth century through the early twentieth century. It explores various geographic regions and diverse contexts, religious, social, political and economic, in which the works were made. Key art historical periods such as the Renaissance, the Baroque, and subsequent movements such as Romanticism, Impressionism, and Modernism are discussed. Students will master a chronological history of art and architecture in relation to the cultures in which they were produced.

GenEd: ~~CLA Breadth/Arts, CLA Breadth/Humanities, CLA Diversity International~~
Instructor: ~~Prof. Margaret Kuntz~~
Dates: ~~May 22 – June 14 (4 weeks)~~
Times: ~~1:00 p.m. – 4:30 p.m.~~
Days: ~~T, W, TH~~
Room: ~~Dorothy Young Center for Arts 106~~

Molecular and Cellular Biology 40014 – 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, motility, 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 40017 BIOL 250L – A~~
GenEd.: ~~CLA Writing in the Major~~
Instructor: ~~Prof. Stephen Dunaway~~
Dates: ~~May 22 – June 28 (6 weeks)~~
Times: ~~9:00 a.m. – 12:00 p.m.~~
Days: ~~T, TH~~
Room: ~~TBA~~

Lab for Molecular and Cellular Biology – 40017 – BIOL 250L – A

Prerequisite: [BIOL 160](#) and [CHEM 160](#)
Corequisite: Molecular and Cellular Biology – 41114 – BIOL 250 – A
GenEd.: CLA Writing in the Major
Instructor: Prof. Joanna Miller
Lab Fee: \$100
Dates: May 22 – June 28 (6 weeks)
Times: 1:00 p.m. – 4:00 p.m.
Days: T, TH
Room: TBA

Anatomy and Physiology I – 40015 – BIOL 256 – A

4 credits. The first of a two-course sequence examining the structure and function of specific biological systems in vertebrate organisms, with a particular focus on mammals. Includes an overview of the evolution of organs and organ systems, system function at a biochemical and biophysical level, and the regulation and integration of multiple physiological systems within the whole organism. Primary focus will be on the integumentary system, the musculoskeletal system and the central nervous system. Laboratory will include the exploration of the dynamic function and regulation of human physiological systems and the study of anatomy through the use of interactive digital resources in conjunction with dissection of animal specimens.

Prerequisite: [BIOL 160](#) and [CHEM 160](#)
Corequisite: Lab for Vertebrate Anatomy and Physiology I – 40018 – BIOL 256L – A
Instructor: Prof. Anthony Russo
Dates: May 22 – June 14 (4 weeks)
Times: 9:00 a.m. – 12:00 p.m.
Days: T, TH
Room: Hall of Sciences S139

Lab for Vertebrate Anatomy and Physiology I – 40018 – BIOL 256L – A

Prerequisite: [BIOL 160](#) and [CHEM 160](#)
Corequisite: BIOL 256 Anatomy and Physiology I
Instructor: Prof. Anthony Russo
Lab Fee: \$100
Dates: May 23 – June 13 (4 weeks)
Times: 10:00 a.m. – 4:00 p.m. (lunch break from 12:00 to 1:00 p.m.)
Days: W
Room: Hall of Sciences S106

Fundamentals of Financial Accounting – 40021 – 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 22 – June 28 (6 weeks)
Times: 9:20 a.m. – 12:30 p.m.
Days: T, TH
Room: Brothers College 117

Principles of Chemistry II – 40022 – 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: [CHEM 160L](#)
GenEd.: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: Prof. Jonathan Porras
Dates: May 21 – June 29 (6 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, W, F
Room: Hall of Sciences S139

Principles of Chemistry II – No Lab (FOR VISITING STUDENTS ONLY) – 40163 – 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.

Pre-requisite: C- or better in [CHEM 150/CHEM 151](#)
GenEd.: CLA-Breadth/Natural Science, CLA-Quantitative
Instructor: Prof. Jonathan Porras
Dates: May 21 – June 29 (6 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, W, F
Room: Hall of Sciences S139

Principles of Chemistry II Lab – 40025 – CHEM 160L – A

Pre-requisite: C- or better in [CHEM 150/ CHEM 151](#); instructor permission required
Co-requisite: Principles of Chemistry II – 40022 – CHEM 160 A
Instructor: Prof. Mary-Ann Pearsall
Lab Fee: \$300
Dates: May 22 – June 28 (6 weeks)
Times: 8:40 a.m. – 11:40 a.m.
Days: T, TH
Room: Hall of Sciences S211

Organic Chemistry I – 40023 – 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

Co-Requisite: Organic Chemistry Lab – 40026 – CHEM 250L – A

GenEd.: CLA-Breadth/Natural Science

Instructor: Prof. Sandra Keyser

Dates: May 21 – June 14 (4 weeks)

Times: 8:30 a.m. – 11:30 a.m.

Days: M, T, W, TH

Room: Hall of Sciences S4

Organic Chemistry I – No Lab (FOR VISITING STUDENTS ONLY) – 40164 – 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: C- or better in [CHEM 160](#) or permission of instructor

GenEd.: CLA-Breadth/Natural Science

Instructor: Prof. Sandra Keyser

Dates: May 21 – June 14 (4 weeks)

Times: 8:30 a.m. – 11:30 a.m.

Days: M, T, W, TH

Room: Hall of Sciences S4

Organic Chemistry I Lab – 40026 – CHEM 250L – A

Prerequisite: C- or better in [CHEM 160](#) or permission of instructor

Co-requisite: [CHEM 250-A](#)

Instructor: Professor Alan Rosan

Lab Fee: \$300

Dates: May 21 – June 14 (4 weeks)

Times: 12:30 p.m. – 3:30 p.m.

Days: M, T, W, TH

Room: Hall of Sciences S226

Introduction to Computer Science in Python – 40029 – CSCI 150 – A

4 credits. How can we automatically solve problems using computers? By the end of this course, students should be able to implement solutions to solve basic computational problems using the Python programming language. Students will learn to design, implement, document and test programs, as well as learn to apply language concepts such as iteration, decision, user-defined functions, and lists. 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 do not plan to take any additional computer science courses.

GenEd: ~~CLA – Quantitative~~

Instructor: ~~Prof. Diane Liporace~~

Dates: ~~May 30 – June 28 (5 weeks)~~

Times: ~~1:00 p.m. – 3:30 p.m.~~

Days: ~~M, W, TH~~

Room: ~~Brothers College 21~~

Economic Principles: Macroeconomics – 40050 – ECON 102 – A

4 credits. An introduction to basic macroeconomic analysis with special emphasis on problems of unemployment, inflation, and economic growth. Topics include national income determination; money, financial markets, and monetary policy; fiscal policy and the economic role of government; the United States and the world economy.

GenEd: CLA – Breadth/Social Science, CLA – Quantitative

Instructor: Prof. Bernard Smith

Dates: May 21 – June 15 (4 weeks)

Times: 10:45 a.m. – 12:45 p.m.

Days: M, T, W, TH

Room: Brothers College 120

Wall Street and the Economy – 40051 – ECON 281 – AX

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, Drew University Short Term Summer Program

Instructor: Prof. Marc Tomljanovich

Dates: May 24 – June 15 (3 weeks)

No Classes: May 28 and June 12

Times: 9:00 a.m. – 5:00 p.m.

Days: M, T, W, TH, F

Location: Downtown New York

Introduction to Film Analysis – 40045 – ENGH 120-A

4 credits. In Introduction to Film Analysis we will be looking at a wide range of films from different genres and various countries of origin -- from the earliest silent shorts, to works of the Golden Age of the Hollywood studio system, to more contemporary documentary and animated film. We will learn the visual language of cinema and how to look at films from perspectives

including, but not limited to, cinematography, editing, camera movement, sound, and setting. 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. The overall goal will be to approach cinema with passion and curiosity -- and to appreciate its role in shaping how we see the world. Equivalent: [FILM 101](#).

GenEd: CLA – Breadth/Humanities, CLA – Breadth/Interdisciplinary
Instructor: Prof. Henry Margenau
Dates: May 21 – June 27 (6 weeks)
Times: 11:45 a.m. – 3:00 p.m.
Days: M, W
Room: Brothers College 201

Creative Writing Workshop: Fiction & Nonfiction – 40166 – ENGH 230-A

“Fiction is the truth inside the lie,” one writer has said, and you’ve surely heard the famous saying, “Truth is stranger than fiction.” There’s great writing on both sides of the fiction/nonfiction line, and we’re going to read as much of it as we can over the next few weeks. Along the way, we’ll explore a range of literary techniques essential to both fiction and creative nonfiction, including setting, structure, and characterization, often by considering a particular theme. We’ll examine a number of essays in the service of defining the boundaries of “creative” nonfiction. We will also examine what makes fiction feel “true” and what techniques we can employ to write it. These two genres can teach us a great deal about each other. Success in this workshop depends on your participation, in-class and take-home writing assignments, critiques of your peers’ work, and consistent dedication to the process of revision. With all that, we will create a workshop experience in which you can push your boundaries as a writer and emerge with new work and new ideas.

GenEd: CLA – Writing Intensive
Instructor: Prof. John McIntyre
Dates: May 22 – June 28 (6 weeks)
Times: 1:00 p.m. – 4:30 p.m.
Days: T, TH
Room: Brothers College 218

Introduction to Film Analysis – 40046 – FILM 101 – A

4 credits. In Introduction to Film Analysis we will be looking at a wide range of films from different genres and various countries of origin -- from the earliest silent shorts, to works of the Golden Age of the Hollywood studio system, to more contemporary documentary and animated film. We will learn the visual language of cinema and how to look at films from perspectives including, but not limited to, cinematography, editing, camera movement, sound, and setting. 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. The overall goal will be to approach cinema with passion and curiosity -- and to appreciate its role in shaping how we see the world. Equivalent:

[ENGH 120](#)

GenEd: CLA-Breadth/Arts
Instructor: Prof. Henry Margenau
Dates: May 21 – June 27 (6 weeks)
Times: 11:45 a.m. – 3:00 p.m.
Days: M, W
Room: Brothers College 201

~~Selected Topics in History: Kings, Witches, and Shakespeare: Early English History – 40130 – HIST 201 – A~~

4 credits. A study of a historical theme or topic at the intermediate level that uses a methodological approach or viewpoint not fully explored within departmental offerings. Topics vary. Amount of credit established at time of registration. Course may be repeated for credit as topic varies.

~~**GenEd:** CLA Breadth/Humanities
Instructor: Prof. Jonathan Rose
Dates: May 21 – June 29 (6 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, W, F
Room: TBA~~

Introductory Statistics – 40055 – 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. Same as: MAT+861.

GenEd: CLA-Quantitative
Instructor: Prof. Chris Apelian
Dates: May 21 – June 15 (4 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, TH, F
Room: Brothers College 217

Calculus and Analytic Geometry I – 40056 – MATH 150 – A

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: MATH 001 or three years of high school mathematics including trigonometry.

GenEd: CLA-Quantitative
Instructor: Prof. Robert McLoughlin

Dates: May 21 – June 28 (6 weeks)
Times: 5:45 p.m. – 8:30 p.m.
Days: M, T, TH
Room: Brothers College 120

Introduction to Logic – 40060 – MATH 213 – A
4 credits. A study of the principles and methods of correct reasoning. Emphasizes the analysis of arguments, informal fallacies, and elementary deductive logic. Same as: [PHIL 213](#).

GenEd.: CLA-Breadth/Humanities, CLA-Breadth/Interdisciplinary, CLA-Quantitative

Instructor: Prof. Erik Anderson
Dates: May 21 – June 14 (4 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, W, TH
Room: Brothers College 203

Introduction to Neuroscience – 40062 – NEUR 101 - A

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.

GenEd.: CLA-Breadth/Interdisciplinary, CLA-Breadth/Natural Science

Instructor: Prof. Roger Knowles
Dates: May 29 – June 28 (5 weeks)
Times: 1:00 p.m. – 3:30 p.m.
Days: T, W, TH
Room: Hall of Sciences S3A

Introduction to Logic – 40061 – PHIL 213 – A
4 credits. A study of the principles and methods of correct reasoning. Emphasizes the analysis of arguments, informal fallacies, and elementary deductive logic. Same as: [MATH 213](#).

GenEd.: CLA-Breadth/Humanities, CLA-Breadth/Interdisciplinary, CLA-Quantitative

Instructor: Prof. Erik Anderson
Dates: May 21 – June 14 (4 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, W, TH
Room: Brothers College 203

Business Ethics – 40064 – PHIL 214 – A
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.

GenEd.: CLA-Breadth/Humanities
Instructor: Prof. Darrell Cole
Dates: May 22 – June 14 (4 weeks)
Times: 1:00 p.m. – 4:30 p.m.
Days: T, W, TH
Room: Brothers College 103

~~**Philosophy of Religion – 40066 – PHIL 328 – A**
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-Keel Lee
Dates: May 22 – June 14 (4 weeks)
Times: 1:00 p.m. – 4:30 p.m.
Days: T, W, TH
Room: Brothers College 101~~

Philosophy of Law – 40067 – PHIL 330 – A
4 credits. A critical appraisal of various theories of law: the theory of natural law, legal positivism, legal realism, and the recent critical legal studies movement. An investigation of the limits of the authority of society over the individual, including the issues of paternalism and privacy. A study of different theories of punishment and the scope of responsibility for criminal behavior. 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. Same as: [PSCI 330](#).

Instructor: Prof. Seung-Keel Lee
Dates: May 22 – June 14 (4 weeks)
Times: 5:00 p.m. – 8:30 p.m.
Days: T, W, TH
Room: Seminary Hall 116

Introductory Physics I – 40069– PHYS 111 – A
4 credits. Offers topics in mechanics: motion, Newton's laws, energy, conservation laws, collisions, gravitation, fluid behavior, oscillations, and waves. Thermodynamics. This is a non-calculus based course. Note that PHYS 111 does not satisfy the prerequisites for upper level physics courses; students who are or might be interested in further physics courses should take PHYS 150 and PHYS 160 instead.

GenEd: CLA – Breadth/Natural Science, CLA – Quantitative
Co-requisite: [PHYS 113L](#)
Instructor: Prof. Robert Murawski
Dates: May 21 – June 21 (5 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, TH

Room: Hall of Sciences S244

General Physics I Lab – 40071 – PHYS 113 – A

Co-requisite: [PHYS 111](#)

Instructor: Prof. Minjoon Kouh and Professor Bjorg Larson

Dates: May 22 – June 21 (5 weeks)

Times: 1:15 p.m. – 4:15 p.m.

Days: T, TH

Room: Hall of Sciences S208

~~**International Relations – 40073 – PSCI 104 – A**~~

~~**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, CLA Writing in the Major~~

~~**Instructor:** Carlos Yordan~~

~~**Dates:** May 22 – June 14 (4 weeks)~~

~~**Times:** 1:00 p.m. – 4:30 p.m.~~

~~**Days:** T, W, TH~~

~~**Room:** Brothers College 117~~

Philosophy of Law – 40068– PSCI 330 – A

4 credits. A critical appraisal of various theories of law: the theory of natural law, legal positivism, legal realism, and the recent critical legal studies movement. An investigation of the limits of the authority of society over the individual, including the issues of paternalism and privacy. A study of different theories of punishment and the scope of responsibility for criminal behavior.

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. Same as: [PHIL 330](#).

Instructor: Prof. Seung-Kee Lee

Dates: May 22 – June 14 (4 weeks)

Times: 5:00 p.m. – 8:30 p.m.

Days: T, W, TH

Room: Seminary Hall 116

Introduction to Psychology – 40074 – 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. Hilary Kalagher

Dates: May 21 – June 21 (5 weeks)

Times: 1:00 p.m. – 3:30 p.m.

Days: T, W, TH

Room: Brothers College 215

Social Psychology – 40077 – PSYC 342 – A

4 credits. An examination of how people think about, influence, and relate to others, as well as the ways in which their thoughts, feelings, and behaviors are affected by situations and social contexts. Topics include the social self, attribution, social cognition, attitudes and persuasion, social influence, attraction and relationships, stereotyping, aggression, and pro-social behaviors

Prerequisite: [PSYC 101](#), [PSYC 211](#) and third – year or higher standing.

Instructor: Prof. Scott Morgan

Dates: May 29 – June 28 (5 weeks)

Times: 6:00 p.m. – 8:30 p.m.

Days: T, W, TH

Room: Hall of Sciences S3A

Business Ethics –40065– REL 214 – A

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. Same as: [PHIL 214](#).

GenEd.: CLA-Breadth/Humanities

Instructor: Prof. Darrell Cole

Dates: May 22 – June 14 (4 weeks)

Times: 1:00 p.m. – 4:30 p.m.

Days: T, W, TH

Room: Brothers College 103

~~**Introduction to Sociology – 40169 – SOC 101 – A**~~

~~**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.~~

~~**GenEd.:** CLA Breadth/Social Science, CLA Diversity US~~

~~**Instructor:** Prof. Kyung-Tek Chun~~

~~**Dates:** May 22 – June 21 (5 weeks)~~

~~**Times:** 1:00 p.m. – 4:30 p.m.~~

~~**Days:** T, W, TH~~

~~**Room:** TBA~~

Fundamentals of Oral and Written Spanish – 40080 – 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. Maria Turrero-Garcia
Dates: May 21 – June 13 (4 weeks)
Times: 9:15 a.m. – 12:45 p.m.
Days: M, T, W
Room: Brothers College 204

Intermediate Spanish – 40082 – 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.
GenEd.: CLA-Foreign Language
Instructor: Prof. Raul Rosales
Dates: May 22 – June 14 (4 weeks)
Times: 9:15 a.m. – 12:45 p.m.
Days: T, W, TH
Room: Brothers College 102

Session II

Cultural Diversity: Cultural Anthropology and Linguistics – 40004 – ANTH 104 – B

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. Allan Dawson
Dates: July 2 – July 26 (4 weeks)
Times: 10:00 a.m. – 12:30 p.m.
Days: M, T, W, TH
Room: Brothers College 118

Drawing I – 40005 – ART 106 – B

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: July 9 – August 2 (4 weeks)
Times: 1:00 p.m. – 4:30 p.m.
Days: T, W, TH
Room: Dorothy Young Center for the Arts
206

Photography I – 40008 – ART 130 – B

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. Students must provide a fully manual digital SLR camera and budget for printing costs and other supplies.

GenEd.: CLA-Breadth/Arts
Instructor: Prof. Rory Mulligan
Course Fee: \$120
Dates: July 9 – August 2 (4 weeks)
Times: 9:00 a.m. – 12:30 p.m.
Days: T, W, TH
Room: Dorothy Young Center for the Arts
102

Photography I – 40009 – ART 130 – B1

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. Students must provide a fully manual digital SLR camera and budget for printing costs and other supplies.

GenEd.: CLA-Breadth/Arts
Instructor: Prof. Rory Mulligan

Course Fee: \$120
Dates: July 9 – August 2 (4 weeks)
Times: 1:00 p.m. – 4:30 p.m.
Days: T, W, TH
Room: Dorothy Young Center for the Arts 102

Painting I – 40010 – ART 160 – B

4 credits. An exploration of traditional and modern techniques of oil painting and their underlying theories of light, color, space, and expression.

GenEd.: CLA-Breadth/Arts
Instructor: Prof. Jason Karolak
Course Fee: \$250
Dates: July 9 – August 2 (4 weeks)
Times: 5:00 p.m. – 8:30 p.m.
Days: T, W, TH
Room: Dorothy Young Center for the Arts 202

Anatomy and Physiology II – 40016– BIOL 258 – B

4 credits. The second of a two-course sequence examining the structure and function of specific biological systems in vertebrate organisms, with a particular focus on mammals. Includes an overview of system function at a biochemical and biophysical level, and the regulation and integration of multiple physiological systems within the whole organism. Primary focus will be on the endocrine, cardiovascular, respiratory, immune, digestive, reproductive, and urogenital systems. Laboratory will include the exploration of the dynamic function and regulation of human physiological systems and the study of anatomy through the use of interactive digital resources in conjunction with dissection of animal specimens.

Prerequisite: [BIOL 250](#) or permission of instructor. [BIOL 256](#) is recommended but not required.

Corequisite: Lab for Vertebrate Anatomy and Physiology II – 40019 – BIOL 258L – B

Instructor: Prof. Anthony Russo
Dates: July 10 – August 2 (4 weeks)
Times: 9:00 a.m. – 12:00 p.m.
Days: T, TH
Room: Hall of Sciences S139

Lab for Vertebrate Anatomy and Physiology II – 40019 – BIOL 258L – B

Prerequisite: BIOL 250L
Corequisite: Anatomy & Physiology II -40016 – BIOL 258 – B

Instructor: Prof. Anthony Russo
Lab Fee: \$100
Dates: July 11 – August 1 (4 weeks)
Times: 10:00 a.m. – 4:00 p.m. (lunch break from 12:00 to 1:00 p.m.)
Days: W
Room: Hall of Sciences S106

Organic Chemistry II – 40024 – 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: [CHEM 350L](#)
Instructor: Prof. Kimberly Choquette
Dates: July 2 – July 26 (4 weeks)
Times: 12:30 p.m. – 3:30 p.m.
Days: M, T, W, TH
Room: Hall of Sciences S244

Organic Chemistry II – No Lab (VISITING STUDENTS ONLY) – 40165 – CHEM 350A – B

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.

Pre-requisite: C- or better in [CHEM 250](#)
GenEd.: CLA-Breadth/Natural Science
Instructor: Prof. Kimberly Choquette
Dates: July 2 – July 26 (4 weeks)
Times: 12:30 p.m. – 3:30 p.m.
Days: M, T, W, TH
Room: Hall of Sciences S244

Organic Chemistry II Lab – 40027 – CHEM 350L – B

Co-requisite: Organic Chemistry II – 40024 – CHEM 250 – B
Instructor: Prof. Sandra Keyser
Lab Fee: \$300
Dates: July 2 – July 26 (4 weeks)
Times: 8:30 a.m. – 11:30 a.m.
Days: M, T, W, TH
Room: Hall of Sciences S226

ONLINE: Introduction to Computer Science in Python – 40028 – CSCI 150 – BX

4 credits. How can we automatically solve problems using computers? By the end of this course, students should be able to implement solutions to solve basic computational problems using the Python programming language. Students will learn to design, implement, document and test programs, as well as learn to apply language concepts such as iteration, decision, user-defined functions, and lists. 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 do not plan to take any additional computer science courses.

GenEd: CLA – Quantitative
Instructor: Prof. Emily Hill
Dates: July 9 – August 9 (4 weeks)
Times: TBA
Days: TBA
Location: Online

Object Oriented Programming in Java – 40030 – CSCI 151 – B

4 credits. Designing, writing, and testing structured computer programs using Java. By the end of this course, students should be able to (1) decompose problems into actions and objects, (2) apply advanced programming constructs such as recursion and collections to implement solutions, (3) use inheritance to facilitate localized changes, (4) design & implement an event-driven application with a graphical user interface, and (5) take advantage of automated development tools.

Prerequisite: C- or better in [CSCI 149](#) or [CSCI 150](#), or [CSCI 117](#) (Juniors or Seniors)

GenEd: CLA – Quantitative
Instructor: Diane Liporace
Dates: July 2 – August 9 (6 weeks)
Times: 1:00 p.m. – 3:15 p.m.
Days: M, W, TH
Room: Brothers College 21

Introductory Topics in Information Technology: C for Hackers – 40031 – CSCI 190 – B

4 credits. Selected introductory topics in computer science and information technology that require no prior programming experience. Topics vary based upon student and faculty interest. Course may be repeated when topics vary. This course requires students to have a laptop available for use in class meetings.

Instructor: Prof. Adam Michlin
Dates: July 5 – August 9 (6 weeks)
Times: 2:00 p.m. – 4:30 p.m.
Days: M, W, TH
Room: Brothers College 201

Introduction to Computer Systems & Architecture – 40032 – CSCI 260 – B

4 credits. Introduction to computer systems and architecture. Architecture concepts include machine-level representation of data, assembly language programming, von Neumann architecture, the memory hierarchy and pipelining (including instructions, data and thread level parallelism). Functions of the UNIX operating system from a user's and programmer's perspective. Introduction to C systems programming, pointers, and UNIX command line tools. Cannot receive credit for both CSCI 320 and CSCI 260.

Instructor: Prof. Adam Michlin
Dates: July 5 – August 9 (6 weeks)
Times: 6:00 p.m. – 8:30 p.m.
Days: M, W, TH
Room: Brothers College 21

Economic Principles: Microeconomics – 40129 – ECON 101 – B

4 credits. An introduction to basic microeconomic analysis and institutions, with special emphasis on the roles markets play in an economy and the ways in which government can alter market activity. Includes such topics as consumer and firm behavior, competition and monopoly, poverty and justice, the environment, health care, and international trade.

GenEd: CLA – Breadth/Social Science, CLA-Quantitative
Instructor: Prof. Yahya M. Madra
Dates: July 2 – August 3 (5 weeks)
Times: 1:00 p.m. – 4:00 p.m.
Days: M, W, F
Room: Brothers College 117

Topics in Literary Studies: Presentations of Masculinity in the American Bildungsroman Film – 40048 – ENGH 115 – B

4 credits. How have men come of age on screen? Do American films convey normative versions of masculine maturation, or do they offer alternate narrative paths by which young males—struggling to find themselves—might explore versions of manhood that ultimately depart from social expectation? Using films like *What's Eating Gilbert Grape*, *Good Will Hunting*, *Garden State*, *This Boy's Life*, *Boyhood*, and more, this course will not only explore various renderings of the Bildungsroman film in larger genre of American Drama, but will thematically and technically examine ways that male characters within this genre confront, negotiate, reconcile their own personal gender decentering—the way they respond to past paradises seemingly lost and ostensibly beyond reclamation. Do American men experience their own comings of age as estrangements from Eden, or can they work with the ruins of their faults and falls to construct new, unanticipated identities that go beyond the preconceived pale of American male identity in an often perplexing, contemporary world?

GenEd.: CLA-Breadth/Humanities
Instructor: Prof. Max Orsini
Dates: July 3 – August 9 (6 weeks)
Times: 1:00 p.m. – 4:00 p.m.
Days: T, TH
Room: Brothers College 203

Introduction to Media Studies – 40049 – ENGH 121 – B

4 credits. In Introduction to Media Studies we will discuss how messages are created and disseminated

through various forms of media including, but certainly not limited to, television, social media networks, product advertisements, and political campaigns. Looking at issues of messaging through both historical and rhetorical lenses, we will attempt to better understand our complex relationship with media as both members of a media-soaked culture and scholars examining the constructs of this culture. How is it possible to look at this culture from a distance? Can we objectively evaluate established social structures (race, gender, politics, etc.) perpetuated (or, in some cases, even created) by media institutions as members of this culture? Just how ingrained into us are these various media platforms? Equivalent Courses: [MCOM 101](#).

GenEd.: CLA-Breadth/Interdisciplinary
Instructor: Prof. Henry Margenau
Dates: July 2 – August 8 (6 weeks)
Times: 4:00 p.m. – 7:15 p.m.
Days: M, W
Room: Brothers College 218

Intermediate Selected Topics in Literature: 20th Century Western Short Fiction – The Fiction of Enclosure – 40047 – ENGH 201 – B

4 credits. A pronounced sense of social, psychological, and spiritual entrapment pervades modern western fiction, and most strikingly pervades the short stories penned across two world wars. Threatened by rampant modernization, sociopolitical discord, and burgeoning questions about the value of the individual human being in an economically expanding, yet personally estranging world, writers like Franz Kafka, James Joyce, Sherwood Anderson, Ernest Hemmingway, Shirley Jackson, J.D. Salinger, John Cheever, Ray Bradbury, Flannery O'Connor, Tillie Olsen, and Joyce Carol Oates responded with we might call “fictions of enclosure.” More specifically, these authors explored not only the constrictive spaces and places that enclose or entrap their distinctly modern characters, but also allow us unique access to the dark psychic interiors and zones of spiritual ambivalence their characters intimately struggle with amid isolating landscapes of doubt. Exposing sub-themes of urbanization, provincialism, war, displacement, gender, and faith through artful characterization, symbolism, dialogue, and other fictional innovations, this course will seek to use short stories as vessels to explore issues relevant to personal, social, and historical identity, and to see if imagination and art can indeed serve as paths out of perilous personal and social predicaments that still seem to confront or confine people today.

GenEd.: CLA-Breadth/Humanities
Instructor: Prof. Max Orsini
Dates: July 3 – August 9 (6 weeks)
Times: 9:00 a.m. – 12:00 p.m.
Days: T, TH
Room: Brothers College 204

Global Perspectives through an interdisciplinary study of Irish History and Culture – 40097 - HUM 197 – X

3 Credits. Ireland offers an important socio-historical framework of the fluidity of identity and ethnicity. British imperialism, Famine, the impact of emigration on the United States, the decline and revival of indigenous culture, the civil rights campaign, and conflict and conflict resolution in Northern Ireland, all provide a platform for a valuable comparative study in the global context. The program will take place on campus at the Institute of Study Abroad Ireland in Donegal, in the Republic of Ireland. Over three weeks, students will cover a timeline from the neolithic period of Irish history to the present day. The aim is to provide the opportunity for interdisciplinary and comparative thinking about the cultural and anthropological development of the Irish, through the earliest tribal settlements, through the colonisation experience, the experience of political, cultural and economic revolution, and the emergence of a modern Irish Republic 100 years after independence.

Instructor: Niamh Hamill
Dates: July 1 – 22, 2018 (3 weeks)
Location: Donegal, Ireland
Audience: Pre-college program for students age 15 – 17 only.
Special application required.

Preparation for Calculus – 40053 – MATH 001 – B

4 credits. The mathematical prerequisites for the study of calculus: functions and their graphs, polynomials, trigonometry, logarithms and exponential functions, and analytic geometry. Only students intending to register for calculus but needing to improve their math background may take this course.

Prerequisite: Departmental approval based on placement score.
Instructor: Prof. Seth Harris
Dates: July 2 – August 9 (6 weeks)
Times: 6:00 p.m. – 8:30 p.m.
Days: M, T, TH
Room: Brothers College 101

Introductory Statistics – 40054 – 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. Yi Lu
Dates: July 2 – August 10 (6 weeks)
Times: 10:00 a.m. – 12:40 p.m.
Days: M, W, F
Room: Brothers College 217

Calculus and Analytic Geometry I – 40059 – MATH 150 – B

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: MATH 001 or three years of high school mathematics including trigonometry.

GenEd.: CLA-Quantitative
Instructor: Prof. Virginia Crisonino
Dates: July 2 – August 9 (6 weeks)
Times: 10:00 a.m. – 12:30 p.m.
Days: M, W, TH
Room: Brothers College 117

Calculus and Analytic Geometry II – 40057 – MATH 151–B

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

Prerequisite: C- or better in [MATH 150](#)
GenEd.: CLA-Quantitative
Instructor: Prof. Seth Harris
Dates: July 2 – August 9 (6 weeks)
Times: 10:00 a.m. – 12:30 p.m.
Days: M, T, TH
Room: Brothers College 218

Calculus and Analytic Geometry III – 40058 – MATH 250–B

4 credits. Extending the concepts of calculus from two to three or more dimensions: partial differentiation, multiple integration; analytic geometry in three dimensions, vectors, line and surface integrals, applications.

Prerequisite: C- or better in [MATH 151](#)
GenEd.: CLA-Quantitative
Instructor: Prof. Virginia Crisonino
Dates: July 2 – August 9 (6 weeks)
Times: 1:30 p.m. – 4:00 p.m.
Days: M, W, TH
Room: Brothers College 118

Introduction to Media Studies – 40160 – MCOM 101 – B

4 credits. In Introduction to Media Studies we will discuss how messages are created and disseminated through various forms of media including, but certainly not limited to, television, social media networks, product advertisements, and political campaigns. Looking at issues of messaging through both historical and rhetorical lenses, we will attempt to better understand our complex relationship with media as both members of a media-soaked culture and scholars examining the constructs of this culture. How is it possible to look at this culture from a distance? Can we objectively evaluate established social structures (race, gender, politics, etc.) perpetuated (or, in some cases, even created) by media institutions as members of this culture? Just how ingrained into us are these various media platforms? Equivalent Courses: [ENGH 121](#).

GenEd.: CLA-Breadth/Interdisciplinary
Instructor: Prof. Henry Margenau
Dates: July 2 – August 8 (6 weeks)
Times: 4:00 p.m. – 7:15 p.m.
Days: M, W
Room: Brothers College 218

Cognitive Neuroscience – 40063 – NEUR 354 – B

4 credits. This course examines the mechanisms by which the nervous system supports higher mental functions, with a focus on how neural structures represent and transform information. The course draws on a variety of disciplines including cognitive psychology, neurobiology, computer science, linguistics, and philosophy. Discussion topics include perception, attention, memory, language, executive function, emotion, development, social cognition, consciousness, and neuroethics. Course activities will expose students to a variety of empirical research techniques, such as functional neuroimaging, single-neuron electrophysiology, and electroencephalography, commonly employed in cognitive neuroscience research. Same as: [PSYC 354](#)

Prerequisite: [PSYC 211](#), [NEUR 210](#) or permission of the instructor.
Instructor: Prof. Graham Cousens
Dates: July 10 – August 2 (4 weeks)
Times: 5:00 p.m. – 8:10 p.m.
Days: T, W, TH
Room: Brothers College 204

Introductory Physics II – 40070 – PHYS 112 – B

4 credits. PHYS 112 includes electricity, magnetism, and electrical circuits. Light and optics: lenses, diffraction and interference of light. Introductory topics

in modern physics. This is a non-calculus based course. Note that PHYS 2 does not satisfy the prerequisites for upper-level physics courses; students who are or might be interested in further physics courses should take [PHYS 150](#) and [PHYS 160](#) instead.

GenEd: CLA – Breadth/Natural Science, CLA – Quantitative
Prerequisite: [PHYS 111](#) or PHYS 150
Co-requisite: [PHYS 114](#)
Instructor: Professor Bjorg Larson & Professor Minjoon Kouh
Dates: July 2 – August 3 (5 weeks)
Times: 9:00 a.m. – 11:30 a.m.
Days: M, T, TH
Room: Hall of Sciences S244

General Physics Laboratory II – 40072 – PHYS 114 – B

Co-requisite: [PHYS 112](#)
Instructor: Prof. Robert Murawski
Dates: July 2 – August 3 (5 weeks)
Times: 1:15 p.m. – 4:15 p.m.
Days: T, TH
Room: Hall of Sciences S208

Introduction to Psychology – 40075 – PSYC 101 – B

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. Carolyn Rooney
Dates: July 5 – August 2 (4 weeks)
Times: 9:00 a.m. – 12:30 p.m.
Days: T, TH
Room: Brothers College 215

Research Methods in Psychology – 40076 – PSYC 211 – B

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](#) and either [PSYC 110](#) and [MATH 117](#)
GenEd.: CLA-Quantitative
Instructor: Prof. Scott Morgan
Dates: July 3 – August 9 (6 weeks)
Times: 5:20 p.m. – 8:30 p.m.
Days: T, TH
Room: Hall of Sciences S3B

Cognitive Neuroscience – 40078 – PSYC 354 – B

4 credits. This course examines the mechanisms by which the nervous system supports higher mental

functions, with a focus on how neural structures represent and transform information. The course draws on a variety of disciplines including cognitive psychology, neurobiology, computer science, linguistics, and philosophy. Discussion topics include perception, attention, memory, language, executive function, emotion, development, social cognition, consciousness, and neuroethics. Course activities will expose students to a variety of empirical research techniques, such as functional neuroimaging, single-neuron electrophysiology, and electroencephalography, commonly employed in cognitive neuroscience research. Same as: [NEUR 354](#)

Prerequisite: [PSYC 211](#), [NEUR 210](#) or permission of the instructor.

Instructor: Prof. Graham Cousens
Dates: July 10 – August 2 (4 weeks)
Times: 5:00 p.m. – 8:10 p.m.
Days: T, W, TH
Room: Brothers College 203

Seminar in the Study of Religions - International

Topics: Religious Interactions in West Africa: A History of Religions Approach – 40079 – REL 392 – B

4 credits. This course uses the History of Religions method—*Religionsgeschichte*—to trace the development of Christianity and Islam in sub-Saharan Africa, and their problematic encounters with indigenous religions. Through guided readings, documentary films, journal writing, critical reviews, and class discussions, students explore the penetration of these two world religions as vast and continuing cultural, economic, political, and religious processes, with profound impact on the course of history. The course pays attention to the earliest “arrival” of Christianity in Nubia and Ethiopia, and assesses its continuing role in national developments. A comparative case is made with other areas of Africa where the Christian presence is closely related to colonial history. Islamic presence is examined in light of Amadou Ba’s observation that, “Islam has no more color than water, and this explains its successes. It takes on the colors of the soils and stones.” The Islamic factor in the early rise, decline, and fall of earliest African empires such as Ghana, Mali, Songhai, and Kanem-Bornu receives attention. In addition, participants explore the role of religious history in conflict areas such as Nigeria, Senegal, Mali, and Central African Republic under the rubric of interactions between “pre-migrancy” and “post-migrancy” religions.

GenEd.: CLA-Breadth/Humanities, CLA-Diversity International
Instructor: Prof. Obiri Addo
Dates: July 2 – August 8 (6 weeks)

Times: 5:00 p.m. – 8:30 p.m.
Days: M, W
Room: Brothers College 202

Fundamentals of Oral and Written Spanish II – 40081 – SPAN 102 – B

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. Nancy Noguera
Dates: July 10 – August 2 (4 weeks)
Times: 9:15 a.m. – 12:45 p.m.
Days: T, W, TH
Room: Brothers College 202

Theatre in the Community: The Newark Collaboration – 40131 – THEA 386 – B

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 restricted to sophomores, juniors, and seniors. Enrollment priority: Priority given to theatre majors, theatre minors, and seniors. Signature of instructor required for registration.

Pre-requisite: 8 prior credits of theatre classes required
GenEd.: CLA-Diversity US, CLA-Off Campus Exp.
Instructor: Profs. Lisa Brenner & Christopher Ceraso
Dates: July 5 – July 31 (4 weeks)
Times: 9:00 a.m. – 4:00 p.m.
Days: M, T, W, TH, F
Room: Dorothy Young Center for the Arts 138

Advanced Topics WGST: Women Writing in Africa – Gender in Modern African Literatures – 40224 – WGST 311 – B

4 credits. An interdisciplinary course designed to lay the groundwork for the women's and gender studies major and minor. Also appropriate as a first course for any student interested in pursuing the study of gender within their major field. This U.S. focused course considers questions fundamental to the field: What is a woman? What is gender? What is sex? How does culture construct gender and gender difference? How do gender, race, class, ethnicity, and sexuality intersect and interact?; the course, also, lays the groundwork for further work in the field by introducing students to analytical and critical concepts and approaches for understanding the lives of women and the construction of gender within larger social, political, and cultural structures; and it considers how we think about individual lives using these questions. Course may be repeated. Offering to be determined.

Pre-requisite: WGST 101 or permission from the instructor
Instructor: Prof. E. Obiri Addo
Dates: July 2 – August 10 (6 weeks)
Times: 5:00 p.m. – 8:00 p.m.
Days: T, TH
Room: Brothers College 216