

# WINTER TERM 2016 SCHEDULING INSTRUCTIONS

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UP TO DATE INFORMATION: <http://webapps.union.edu/course-schedules>

COMMON CURRICULUM (GENED) INFORMATION: <http://webapps.union.edu>

TEXTBOOK PRICES AT THE COLLEGE BOOKSTORE: <http://bookstore.union.edu>

Use Notice Choose Tell before meeting with your advisor: <http://nct.union.edu>

The **2015-16 Academic Catalog** (<http://catalog.union.edu>) contains full descriptions of courses as well as information on pre-requisites. Additional course descriptions may be found within this document.

## COURSE NUMBERING SYSTEM

Courses numbered 0-49 carry no credit. Courses numbered 50-99 are designated for Common Curriculum or do not count for the major. Courses numbered 100-199 are all introductory level offerings. Courses numbered 200-299 are those at the sophomore/junior level that may also be taken by non-majors. Courses numbered 300-399 are upper-level that are primarily intended for majors, i.e., which represent the depth component of the major. Courses numbered 400-499 are all advanced level courses for seniors, including those used to fulfill the Senior Writing Experience (WS), seminars, research, thesis and independent studies.

**Classes Begin**.....Monday, Jan. 4<sup>th</sup>  
Off Campus/Commuter Data Verification at Silliman Hall Monday, Jan. 4<sup>th</sup> – Wednesday, Jan. 6<sup>th</sup>  
**(Late Fee of \$100 charged after the 6<sup>th</sup> for failure to verify personal data)**

## SCHEDULE CHANGES:

Last Day to Add a Course Without Permission.....Friday, Jan. 8th  
Last day to Finalize Schedule Without a **\$100.00** late fee.....Friday, Jan. 8th  
Last Day to Add a Course With Written Permission of Instructor.....Friday, Jan. 15th

## WITHDRAWAL & PASS/FAIL:

Last Day to Withdraw Without a "W".....Friday, Jan. 15th  
Last Day to Withdraw With a "W" (**After this day "F" on transcript**).....Friday, Feb. 26th  
Pass/Fail Option: Last Day to Place Request.....Friday, Jan. 22nd

**SPRING 2016** Course Schedule Available Online (tentative).....Friday, Feb. 5th  
Prescheduling Appointment Times on WebAdvising.....Monday, Feb. 8th  
Faculty Academic Advising.....Monday, Feb. 8th – Friday, Feb. 26th  
Petition Course Sign Up.....Saturday, Feb. 13th – Tuesday, Feb. 16th  
Faculty Review & Approval.....Wednesday, Feb. 17<sup>th</sup> – Monday, Feb. 22nd  
Petition Acceptance.....Tuesday, Feb. 23rd – Thursday, Feb. 25th  
Prescheduling Appointments on WebAdvising.....Monday, Feb. 29th – Thursday, Mar. 3rd  
Classes End.....Friday, Mar. 11<sup>th</sup>  
Exams Begin.....Monday, Mar. 14th  
Exams End.....Thursday, Mar. 17th  
Grades Due (online).....Monday, Mar. 21st  
Last Day to Preschedule on WebAdvising for **SPRING 2016** Courses.....Sunday, Mar. 20th  
**Commencement 2016**.....Sunday, Jun. 12<sup>th</sup>

# COMMON CURRICULUM REQUIREMENTS

To find courses that satisfy different requirements in the Common Curriculum:

<http://webapps.union.edu/>

For the goals of Union's Common Curriculum and definitions of requirements:

<http://www.union.edu/offices/gen-ed/>

For the Common Curriculum Worksheet and Advising Guide:

[http://www.union.edu/offices/gen-ed/\\_documents/cc-worksheet-guide-sep13.pdf](http://www.union.edu/offices/gen-ed/_documents/cc-worksheet-guide-sep13.pdf)

## **BUILD INTELLECTUAL FOUNDATIONS**

**First-Year Preceptorial** or **Honors First-Year Preceptorial** engages you in the exploration of ideas and diverse perspectives through critical reading, thinking, and writing. First-year students will be assigned to an FPR section one term during their first year. FPR will not be credited toward any major or minor.

**Sophomore Research Seminar** or **Scholars Research Seminar** ensures you have an early hands-on experience thinking and working as an academic researcher. In the spring of their first year, students will express their preferences for an SRS section, and will be assigned to an SRS in one term during their sophomore year. (Note that Union Scholars take their Scholars Research Seminar in their first year.) SRS will not be credited toward any major or minor.

**Literature (HUL)** expands the moral imagination needed to understand yourself and your fellow human beings through literary analysis, interpretation, and reflection. Complete any one course designated as HUL from English (EGL), Modern Languages (MLT), or any course listed in the course schedule as HUL.

**Natural Sciences with Lab (SCLB)** changes the way you think about the natural world when you understand the scientific method and put it to work. Any lab course in AST, BCH, BIO, CHM, ENS, GEO, and PHY.

**Quantitative and Mathematical Reasoning (QMR)** equips you with unique insights and skills necessary to solve complex problems. Any course from MTH (except MTH-100) or any course listed in the course schedule as QMR.

## **EXPLORE THE LIBERAL ARTS**

**Humanities (HUM)** enable you to find yourself and your voice in creative expression and the exploration of works of the imagination. Any course from AAH, AMU, ATH, AVA, CLS, EGL, GRK, LAT, PHL, or courses offered by the Department of Modern Languages and Literatures.

**Social Sciences (SOCS)** confront you with the complexity and challenges of our world by analyzing the societies we create. Any course from ANT, ECO, HST, PSC, SOC, or PSY-100.

**Science, Engineering and Technology (SET)** introduces you to Union's unique commitment to teaching Science and Engineering as Liberal Arts and examining their impact on our humanity. Any science (lab or no), Engineering, CSC, or any courses listed in the course schedule as SET.

## **CREATE CONNECTIONS ACROSS BOUNDARIES**

**Languages and Cultures (LCC)** empower you as a citizen of a global community to contribute across cultural boundaries and shape our shared future. Approved Study Abroad, two courses in the same language (at 101 or higher), or any two courses listed in the course schedule as LCC. Also, any two courses in the same language coded as LCCA (Arabic), LCCB (Biblical Greek), LCCC (Chinese), LCCF (French), LCCG (German), LCCH (Hebrew), LCCK (Greek), LCCJ (Japanese), LCCL (Latin), LCCR (Russian), LCCS (Spanish).

**Writing Across the Curriculum (WAC)** courses encourage you to explore and create your own understanding of the liberal arts through your writing. <http://www.union.edu/Resources/Academic/WAC/index.php>. Five WAC credits in at least two Divisions and Senior Writing Experience (WS).

# MISCELLANEOUS NOTES

## PRACTICUM COURSES – (FEES APPLICABLE)

One course credit is optionally available for participation after three terms of a practica: Ceramics, Choir, Dance, Ensembles, Instrumental lessons, Orchestra, Theater, and Vocal lessons. For full details regarding prerequisites, check the catalog or Departmental Offices.

## MULTIPLE SECTION COURSES/LABS

**Special note to all students signing up for courses which have multiple sections:** Due to the possibility of over and under enrollments in certain sections of multiple section courses or lab sections, the Registrar's Office, at the request of department chairs, may switch students out of their originally scheduled courses in order to balance the sections.

## CROSS-REFERENCED COURSE

Students have the option of signing up for the course under one of the two department headings. If you have a question about the course, or if it is designated as a "petition" course, please see the department that is listed under Main Course. (*ie. Crossed with ABC-123*)

### Main Course

### Main Course

ADA-350	Crossed with ADA-296H	ECO-364-01	Crossed with STA-364
ATH-050	Crossed with ADA-050	ESC-224-01	Crossed with CHM-224
ATH-104	Crossed with EGL-102	GER-340-01	Crossed with MLT-239
ATH-150	Crossed with ADA-150	GSW-495-02	Crossed with PSC-339
BCH-382	Crossed with CHM-382	PSY-210-01	Crossed with BIO-210
BIO-382	Crossed with CHM-382	PSY-212-01	Crossed with BIO-242
BNG-386	Crossed with ECE-386	PSY-311-01	Crossed with BIO-325
BNG-487	Crossed with ECE-487	SOC-203-01	Crossed with PSY-230
CHM-090	Crossed with AAH-205	STA-128-01	Crossed with MTH-128
CSC-318	Crossed with ECE-318		

## FOURTH COURSE POLICY

For information regarding the college's policy on taking a fourth course please refer to the Academic Catalog by [clicking here](#). Forms are available at the Registrar's Office in Silliman Hall or on the web at <http://muse.union.edu/advising/>

## KEY TO ABBREVIATIONS

Y= Petition Course (a computer petition is required to register for course)

### Key to Common Curriculum (GenEd) abbreviations:

HUL Humanities Literature	SET Science/Engineering/Technology
LCC Linguistic & Cultural Competency	WAC One unit of writing credit
QMR Quantitative & Math Reasoning	WS Senior writing
SCLB Science w/Lab	WAC/s WAC or Senior Writing
SOCS Social Science	

### Location Codes:

<b>BAIL</b>	<b>Bailey Hall</b>	<b>MESA</b>	<b>Messa House</b>
<b>BEUT</b>	<b>Beuth House</b>	<b>NTTR</b>	<b>2/4 Nott Terrace</b>
<b>BREZ</b>	<b>Breazzano House</b>	<b>NWSE</b>	<b>North Wing, Sci &amp; Engr Ctr</b>
<b>BUTR</b>	<b>Butterfield Hall</b>	<b>OLDC</b>	<b>Old Chapel</b>
<b>RCC</b>	<b>Reamer Campus Center Auditorium</b>	<b>OLIN</b>	<b>Olin Building</b>
<b>ELAB</b>	<b>Engineering Lab</b>	<b>PDTH</b>	<b>Phi Theta Delta</b>
<b>GCTR</b>	<b>Graduate College 80 Nott Terrace</b>	<b>SORM</b>	<b>Sorum House</b>
<b>GOLB</b>	<b>Golub House</b>	<b>STZH</b>	<b>Steinmetz Hall</b>
<b>GREN</b>	<b>Green House</b>	<b>SWSE</b>	<b>South Wing, Sci &amp; Engr Ctr</b>
<b>HENL</b>	<b>Henle Dance Pavilion</b>	<b>TMC</b>	<b>Taylor Music Center</b>
<b>KARP</b>	<b>Karp Hall</b>	<b>VART</b>	<b>Visual Arts Building</b>
<b>LAMT</b>	<b>Lamont House</b>	<b>VART-VAS</b>	<b>Visual Art Studio</b>
<b>LIBR</b>	<b>Library</b>	<b>WLDC</b>	<b>Wold Center</b>
<b>LIPM</b>	<b>Lippman Bldg</b>	<b>WOLD</b>	<b>Wold House</b>
<b>MEMC</b>	<b>Memorial Chapel</b>	<b>YULM</b>	<b>Yulman Theatre</b>

## CROSS REGISTRATION

**Please Note:** Union College and \*Union Graduate College are two separate Colleges. All graduate level courses taken by Union undergraduates, including Leadership in Medicine and Combined Degree students will be taken through Union Graduate College and will require completion of a special “Union Graduate College” Cross Registration Form. These forms are available in the Registrar’s Office in Silliman Hall.

Cross Registration has been a service of the Member Institutions of the Hudson Mohawk Association since 1970, when the Association was chartered by the New York State Board of Regents. All full time matriculated students at Union are eligible to cross register in courses during the academic year offered at:

Adirondack Community College  
 Albany College of Pharmacy  
 The College of Saint Rose  
 Empire State College  
 Hudson Valley Community College  
 Maria College  
 Rensselaer Polytechnic Institute

Sage Colleges  
 Schenectady Community College  
 Siena College  
 Skidmore College  
 Southern Vermont College  
 SUNY/Albany  
 \*Union Graduate College

The purpose of the cross registration program is to provide students the opportunity to study areas not represented by the offerings of their home college, at no additional tuition charge. In addition to general guidelines, each college has its own set of regulations, regarding cross-registration and students should make themselves aware of these for both their home campus and the campus they are visiting.

For more information contact Drew Lentz, Assistant Registrar (518) 388-6015.

# DESCRIPTION OF COURSES NOT IN THE 2015-16 ACADEMIC REGISTER

**\*Includes Revised Course Descriptions\***

**ADA-038 Yoga Dance Practicum.** M. Rogers. The Yoga Dance Practicum will meet once a week for an hour. Each week the class will begin with a centering, followed by warm-ups, a series of Asana's (postures or poses), and will finish with a brief meditation. YOGA is the unification of the mind, body and spirit. This class will be taught to music and primarily focus upon connecting the physical body with the inner-self through breathing and sequencing of poses. In this therapeutic movement class, students will gain an awareness of the body, improve flexibility and stamina, and will leave feeling rejuvenated, refreshed, and relaxed.

**ANT-234 Health and Healing in Africa.** M. Osborn. This course will explore the diversity of health-related beliefs and practices across Africa. We will firmly situate perspectives and approaches to health and illness within a broad sociocultural and historical context, also helping to challenge stereotypes associated with the continent. By cultivating a deeper knowledge of how African communities perceive and treat afflictions as well as international responses to health crises (e.g. Ebola), we will develop a cross-cultural perspective that expands our understanding of global, as well as local, health and healing. The fundamental theoretical and methodological approach for this course is anthropological; yet readings are interdisciplinary and will also draw on the intellectual traditions of history, sociology, medical science, and journalism. This course is centered around four units, which begins by exploring ethnographic case studies related to particular African ethnic groups and their cultural conceptions of health, illness, and strategies of care. The second unit examines the impact of colonial rule on health, care, and medicine during the early 20th century, focusing on the legacy of scientific racism that continues to permeate western stereotypes of Africa today. The interaction of biology, social environment, medicine, and health care infrastructure are discussed in the third unit concerning case studies of diseases, such as malaria, HIV/AIDS, Ebola, and cancer. Finally we will turn our attention to medical ethics and aid in relation to international humanitarian-health work across the continent.

**ANT-256 Anthropology of Islam.** A. Khan. This class provides an anthropological perspective on Islam. There are hundreds of millions of Muslims in Asia who speak countless languages across dozens of nation-states. The immense diversity of Islamic practice and Muslim life in Asia is bewildering and defies any simple generalization. However, diversity need not blind us to the themes that connect Islam and Muslim life across the continent. This class proceeds on the premise that Islam is a discursive tradition with some internal coherence, a tradition that comes together around a set of interrelated debates. These debates include the legitimacy of saints and other religious intermediaries between an individual and God, the importance of family and genealogy, the meaning and form of ritual, the significance of Islamic law, and the value of ethnic, national and Islamic community. In this class, we look at how these debates manifest in various ethnographic settings, shaping diverse social, political and economic realities. The goal of the class, then, is to move beyond local and particularistic understandings of Islam without falling into the generalizations and stereotypes that characterize discourse about Islam and Muslims in a post-9/11 world.

**BNG-335 Polymeric Biomaterials.** S. Khetan. This course focuses on the use of polymeric biomaterials for biomedical applications. Topics include, but are not limited to, basic polymer theory and characterization, the design and functionalization of novel polymers, processing techniques to fabricate polymeric scaffolds with desired micro- and macroscopic structures, the interactions of human cells and tissues with these materials, and the use of synthetic polymers to control the delivery of therapeutic molecules and as scaffolding materials for regenerative medicine applications. The course will also include an ethics module to discuss topical regulatory and/or ethical issues related to the field (e.g., the use of human embryonic stem cells in combination with polymeric scaffolds for regenerative applications). Prerequisite: BNG-201 or MER-201.

**CLS-140 Introduction to Greek Archaeology.** A. Commito. For thousands of years, the Aegean has been home to dynamic societies whose complex interactions with each other and with the broader region produced some of the most distinctive cultural and political achievements of the ancient world. This course introduces students to the physical remains these societies left behind. We study key concepts of Greek archaeology, including issues of chronology and ethics, as well as major themes in the study of the ancient Greek world, such as religion and the emergence of the city-state. Special attention is paid to new developments in archaeological research methods, such as paleoethnobotany, isotopic analysis, geophysical prospection, and aerial photogrammetry using drones. We begin around 3000 BCE with the rise of the region's first complex civilizations, and end around 100 BCE with the transformations brought about by the conquests of Alexander the Great. Along the way, we explore how archaeological investigations reveal the distinctiveness of ancient Greece and help us reconstruct the daily lives of people in antiquity.

**ECO-364 Business Analytics (See STA-364)** MTH Staff. This course is about using big data in business. There are three learning objectives. First, students will develop an ability to analyze business data. This includes exploratory data analysis, visualization, and sophisticated predictive algorithms including nearest neighbor, decision trees, regression and others. We will pay special attention to validating our predictions using the train and test regimen. Second, students will develop an ability to formulate questions that can be answered using business data and lead to improved business performance. This includes using data to improve marketing, pricing, investing capital, customer satisfaction, costs, etc. Finally, students will develop an ability to manipulate big data to accomplish the previous two objectives. This includes downloading, merging, appending and reshaping data; and creating new variables. The data manipulation and analysis will be implemented by writing programs in statistical software called R. Although no formal computer programming experience is required, willingness to learn and struggle with computer code is an important prerequisite. Prerequisites: ECO-101 and either ECO-243 or STA-264 or MTH-264.

**EGL-098 Tragedy.** P. Heinegg. Tragedy is an ancient Greek dramatic art that in its first forms and their later permutation has profoundly shaped the thinking of the western world. Tragedy meditates on the power of the gods, justice and injustice, order and chaos, fate and freedom, and the whole spectrum of human existence. The first great tragic playwright, Aeschylus, affirms the painful, yet hopeful notion that wisdom comes through suffering; but less than two generations later the plays of Euripides offer much more pain than hope, and the wisdom gained from the tragedies of #Elizabethan and Jacobean England (e.g. Shakespeare) tends to be extremely bitter. Tragedy in the 19<sup>th</sup> and 20<sup>th</sup> century gets bleaker still, as writers lose faith in both the existence of traditional heroes and any sort of comic justice-the very possibility of reconciling oneself with the world as it is. But, despite this dark vision, modern as well as ancient tragedy can also generate a powerful kind of pleasure in audiences and readers- just one of the many paradoxes built into the genre. This course will attempt to make sense of it all.

**EGL-244 Contemporary British Imagination.** J. Mitchell. This course in contemporary British literature will examine the literary period corresponding roughly to the last twenty-five years. We will be reading closely, carefully, and critically for issues of gender, sexuality, class, relationships, love, trauma, narrative, style, fantasy, etc. This course will familiarize you with a sampling of the literature that the United Kingdom has produced fairly recently; our selections will range from short stories, to books-turned-films, to award-winning novels, in order to address the following major question: How does the United Kingdom, a nation that has been obsessed with its past, develop its own contemporary cultural imagination? Prerequisites: EGL-100 or EGL-101 or EGL-102.

**FLM-303 Cinematic Montage.** J. de Sève. Hands-on, rigorous and rewarding, Documentary In-Depth provides the tools and individual attention to help students improve their non-fiction filmmaking skills. Students learn the ins and outs of camera, tripod, microphones, lighting and editing equipment while shooting weekly exercises and producing a final short documentary. Students will explore issues of genre, access, ethics and voice as they construct their films. Prior filmmaking class, experience or instructor permission required.

**FLM-340 Suspense! Hitchcock and Thrillers.** J. de Sève. Learn how to structure and produce a suspense film in this fun, hands-on course. Building from the work of suspense legend Alfred Hitchcock, this class will take a critical approach to analyzing the elements that makes film suspense work. We will work as a class in a to plan, shoot and edit a suspense thriller.

**GER-340 Retelling the Tales: Tales of The Brothers Grimm.** (Crossed with MLT-239). E. Nelson. This course investigates the folk an fairy tales of the Brothers Grimm in literature and film, as well as in their cultural, historical, social, and ideological contexts. Specific focus is on the “retelling” and “rewriting” of these tales – both by the Brothers Grimm from older French and Italian tales and by Walt Disney and modern Hollywood – in order to study the similarities and difference in narrative structures, themes, and layers of meaning, as well as the implication such retellings have on social and familial relationships, class structure, race relations, the phenomenon of nation building, the performances of gender and sexuality, orientalism, and consumerism. CC: *HUL*. Prerequisite: GER-201.

**GSW-495-02 Capstone: Antigone and Others** (Crossed with PSC-339) L. Marso. This course explores readings of female figures appearing in classical texts who subsequently reappear and are reinterpreted repeatedly into the present. Our primary figures will include Cassandra (Homer's *Illiad*, Aeschylus *Agamemnon*, and Euripides, *Trojan Women*), Medea (Euripides), and Antigone (Sophocles). Our focus will be on reading practices: how do we understand what is at stake in how female figures are painted as powerful, passive, manipulative, cunning, or sympathetic, or eclipsed or erased? How are our readings informed by our own times and political sympathies? This will be a course with diverse "texts" with theory, literature, and film as the primary sources.

**HST-288 Bombay to Mumbai.** R. Mazumder. Bombay represents a distinctive mode of cultural experience in India – an unceasing traffic in things, people, images, and ideas. It has been the crucible of social and cultural politics in India - the epitome of modern Indian imagination. The course will examine this state of modernity by doing a focused study on the city of Bombay: exploring films, music, popular culture, art, politics, patterns of migration, urban rural-divide, incidence of protests and violence.

**HST-295 History of Medicine.** P. Singy. This course offers a survey of the history of medicine in the Western world from the ancient Greeks to the present. We will consider several key moments in this history, such as the so-called "Greek miracle" in medicine (Hippocrates), the discovery of blood circulation (William Harvey), and the invention of bacteriology (Louis Pasteur and Robert Koch). In the last two class sessions we will focus more specifically on the history of psychiatry. The majority of class readings are primary sources.

**MLT-239 Retelling the Tales: Tales of The Brothers Grimm.** (Crossed with GER-340). E. Nelson. This course investigates the folk and fairy tales of the Brothers Grimm in literature and film, as well as in their cultural, historical, social, and ideological contexts. Specific focus is on the "retelling" and "rewriting" of these tales – both by the Brothers Grimm from older French and Italian tales and by Walt Disney and modern Hollywood – in order to study the similarities and difference in narrative structures, themes, and layers of meaning, as well as the implication such retellings have on social and familial relationships, class structure, race relations, the phenomenon of nation building, the performances of gender and sexuality, orientalism, and consumerism. CC: HUL

**PHL 174 Introduction to Biomedical Ethics.** R. Baker. This introduction to issues in biomedical ethics analyzes ethical issues that have arisen in biomedical sciences and healthcare. It traces the history of the field from the Hippocratic Oath sworn in ancient Greece, to the trials of the Nazi Doctors who performed atrocious experiments on Gays, Jews, Polish people, Roma (gypsies) and others. It also addresses moral issues about the beginning and ends of human life, including abortion and euthanasia, and issues surrounding the use of humans as subjects of scientific experimentation. No prior knowledge of the subject or of philosophy is required. Recommended for students in biology, philosophy, psychology and pre-health fields.

**PHL-288 Skepticism East and West.** D. Nowakowski. For as long as there have been philosophers engaged in passionate pursuit of knowledge, there have been skeptics critical of the entire enterprise. Can we really know the Truth about anything? For that matter, how important is it for us to know the Truth? Skeptical thinkers have appeared in all times and cultures. We will engage with three venerable texts: the *Zhuangzi* from ancient China, Nagarjuna's writings on the Middle Way from ancient India, and the *Outlines of Pyrrhonism* by Sextus Empiricus from ancient Greece. Our goal is to put these authors into dialogue and then join in that dialogue.

**PSC-159 Presidential Nominations.** C. Brown & Z. Oxley. This course will consist of an in-depth examination of the presidential candidate nomination process. Sustained attention will be placed on the candidates and events of the 2016 Democratic and Republican nomination contests. These two contests will be placed within broader historical, legal, and conceptual contexts. By the end of the course, students should have a detailed understanding of how candidates run for their party's nomination, why the winning candidates win, the voter decision-making process, and the electoral roles of various actors, including the media, financial donors, and campaign consultants. Throughout the course, students will evaluate the nomination process and discuss possible reforms.

**PSC-339 Seminar: Political Theory.** (Crossed with GSW-495) L. Marso. In this seminar, we will read, discuss, and understand the entirety of the 2011 translation of the 1949 classic and pioneering feminist text, *The Second Sex* by Simone de Beauvoir and use it as our guide to politically interpret several films. Learning from *The Second Sex*, we will examine selected films along several bases: the role of women in society, the diversity of women's lives, the ways bodies are represented, the impact of gender roles, models of sexuality and desire, alternative ways of living/loving/doing politics, and the links between race, culture, class, age, religion, and gender. We will also try to discern if there are "feminist" films, asking along the way what "feminism" means.

**PSC-344R Unlawful Governance in Democracy.** S. Guillermina. When and how do democratic governments founded upon popular sovereignty and the rule of law go against their own laws in the treatment of citizens? This class scrutinizes the persistence, modalities, and rationale of unlawful state action in democracies in a comparative perspective, considering the period opened by the beginning of the last "wave of democratization" since the mid-1970s. We will examine trends regarding extralegal actions in both "established" and "newer" democracies, to then explore legitimizing arguments and instances of citizen resistance to state unlawfulness. We will assess responses to state unlawful actions, including prosecution for corruption and human rights violations along the lines of the rising paradigm of state crime. Prerequisite: PSC-111 or PSC-112 or sophomore standing.

**PSC-353R Terrorism and Torture.** M. Angrist. This course considers the definition(s) and history of terrorism, as well as its causes and manifestations in the contemporary era. Next, strategies for combating terrorism will be explored - with a major focus on the so-called "war on terror" the U.S. has been engaged in since 2001. A particularly controversial aspect of U.S. actions in the past decade has been the use of torture against detainees at Guantanamo Bay, Abu Ghraib, and other locations. The course will therefore consider a broad-ranging literature on torture - from its history, to the conditions under which it is used in the contemporary era, to questions regarding whether or not torture is effective (and for what purpose). Prerequisites: PSC-111 or PSC-112 or PSC-113 or sophomore standing.

**REL-283 The Cosmos: Religion and Science on the Origin of Everything.** K. Wegter-McNelly. Where does the universe come from? Where is it headed? Why is there something rather than nothing at all? These and many other cosmological questions have long been pondered by the great religions of the world. More recently, science has joined the conversation. This course looks first at a number of traditional religious cosmologies, next at the emerging scientific story about how our universe works, and finally at several recent religious responses to the rise of "scientific cosmology" over the past century. No previous coursework in science or religious studies is required.

**STA-364 Business Analytics** . (Crossed with ECO-364). MTH Staff. This course is about using big data in business. There are three learning objectives. First, students will develop an ability to analyze business data. This includes exploratory data analysis, visualization, and sophisticated predictive algorithms including nearest neighbor, decision trees, regression and others. We will pay special attention to validating our predictions using the train and test regimen. Second, students will develop an ability to formulate questions that can be answered using business data and lead to improved business performance. This includes using data to improve marketing, pricing, investing capital, customer satisfaction, costs, etc. Finally, students will develop an ability to manipulate big data to accomplish the previous two objectives. This includes downloading, merging, appending and reshaping data; and creating new variables. The data manipulation and analysis will be implemented by writing programs in statistical software called R. Although no formal computer programming experience is required, willingness to learn and struggle with computer code is an important prerequisite. Prerequisites: ECO-101 and either ECO-243 or STA-264 or MTH-264.



Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
<b>Academic Opportunity Program</b>							
AOP-300-01	Professional Development		OLIN 306+	W 06:00PM 07:30PM	Soules, R.		0.00
<b>Africana Studies</b>							
AFR-295H-20	Africana Studies Indep Study 1		TBA		Staff		0.00
AFR-296H-20	Africana Honors Indep. Study 2		TBA		Staff		0.00
AFR-490-20	Africana Studies Ind Study 1		TBA		Staff		1.00
AFR-498-20	Africana Studies Sen Thesis 1		TBA		Staff		0.00
AFR-499-20	Africana Studies Sen Thesis 2		TBA		Staff	WS	2.00
AMU-131-01	Music of Black America		TMC 120+	MWF 01:50PM 02:55PM	Olsen, T.	LCC/HUM/WAC	1.00
ANT-234-01	Health and Healing in Africa		WLDC 225+	TTH 10:55AM 12:40PM	Osborn, M.	LCC	1.00
CLS-110-01	Ancient Egypt: History & Religion		WLDC 010+	MWF 11:45AM 12:50PM	Bedford, P.	LCC/HUM	1.00
EGL-233-01	Afr-Am Lit: Beginnings to 1900		KARP 006+	MWF 01:50PM 02:55PM	Lynes, K.	HUL/LCC/WAC	1.00
HST-108-01	Africa Since 1800		LIPM 017+	TTH 10:55AM 12:40PM	Peterson, B.	LCC	1.00
HST-132-01	African-American History 2		LIPM 017+	MWF 08:00AM 09:05AM	Aslakson, K.	LCC	1.00
HST-171-01	Europe & Americas: Columbus Era		LIPM 017+	TTH 01:55PM 03:40PM	Meade, T.	LCC/WAC	1.00
HST-304-01	Cold War in Africa	Y	KARP 008+	TTH 01:55PM 03:40PM	Peterson, B.	LCC	1.00
PSC-235-01	African-Amer Political Thought		LIPM 201+	TTH 01:55PM 03:40PM	Marso, L.J.		1.00
SOC-230-01	Sociology of Black Community		KARP 001+	TTH 10:55AM 12:40PM	Hill-Butler, D.	LCC	1.00
<b>American Studies</b>							
AAH-222-01	History of Photography		KARP 002+	MWF 11:45AM 12:50PM	Ogawa, D.	HUM	1.00
AMS-490-20	American Studies Ind Study 1		TBA		Staff		1.00
AMS-498-20	American Studies Sen Thesis 1		TBA		Staff		0.00
AMS-499-01	American Studies Sen Thesis 2		TBA		Oxley, Z.M.	WS	2.00
AMS-499-02	American Studies Sen Thesis 2		TBA		Matsue, J.M.	WS	2.00
AMS-499-20	American Studies Sen Thesis 2		TBA		Staff	WS	2.00
AMU-131-01	Music of Black America		TMC 120+	MWF 01:50PM 02:55PM	Olsen, T.	LCC/HUM/WAC	1.00
ECO-225-01	The Economics of Sin	Y	LIPM 017+	MWF 11:45AM 12:50PM	Davis, L.S.		1.00
ECO-233-01	Public Policy & Amer Industry	Y	OLIN 106+	TTH 10:55AM 12:40PM	Klein, D.		1.00
EGL-213-01	Amer Lit: Beginnings to 1800		KARP 200+	TTH 09:00AM 10:45AM	Murphy, J.	HUL/WAC	1.00
EGL-233-01	Afr-Am Lit: Beginnings to 1900		KARP 006+	MWF 01:50PM 02:55PM	Lynes, K.	HUL/LCC/WAC	1.00
EGL-300-01	Jr. Sem: Poetry Workshop	Y	KARP 002+	MWF 10:30AM 11:35AM	Smith, J.	HUL/WAC	1.00
GSW-100-01	Gender, Sexuality & Womens St		RCC 301+	TTH 01:55PM 03:40PM	Mazumder, R. Cox, L.		1.00
HST-120-01	Emergence of Modern America		KARP 005+	MWF 11:45AM 12:50PM	Morris, A.J.		1.00
HST-132-01	African-American History 2		LIPM 017+	MWF 08:00AM 09:05AM	Aslakson, K.	LCC	1.00
HST-226-01	A Novel View of US History		LIPM 101+	MWF 01:50PM 02:55PM	Brennan, D.P.	WAC	1.00
HST-325-01	War in American Memory	Y	LIPM 101+	TTH 10:55AM 12:40PM	Lawson, M.		1.00
HST-414-01	Lincoln: Politician, Pop Icon	Y	RCC 301+	MW 03:05PM 04:45PM	Foroughi, A.R.	WAC	1.00
PSC-111-01	Introduction to U.S. Politics		LIPM 016+	MWF 11:45AM 12:50PM	Dell'Aera, A.	SOCS	1.00
PSC-159-01	Presidential Nominations		LIPM 016+	TTH 01:55PM 03:40PM	Brown, C. Oxley, Z.M.		1.00
PSC-235-01	African-Amer Political Thought		LIPM 201+	TTH 01:55PM 03:40PM	Marso, L.J.		1.00
PSC-266-01	Women & Politics		RCC 301+	TTH 09:00AM 10:45AM	Oxley, Z.M.		1.00
PSC-273-01	Supreme Court & Judicial Politic		LIPM 012+	TTH 10:55AM 12:40PM	Hays, B.		1.00
PSC-277-01	Pol Internship-Capital Region		TBA		Brown, C.		1.00
SOC-230-01	Sociology of Black Community		KARP 001+	TTH 10:55AM 12:40PM	Hill-Butler, D.	LCC	1.00
SOC-284-01	Soc of Women & Health		LIPM 012+	MWF 01:50PM 02:55PM	Grigsby, J.		1.00
<b>Anthropology</b>							
ANT-110-01	Intro to Cultural Anthropology		WLDC 225+	TTH 01:55PM 03:40PM	Samet, R.	LCC/SOCS	1.00
ANT-184-01	Contemporary Japanese Society		KARP 006+	MWF 10:30AM 11:35AM	Matsue, J.M.	LCC/WAC	1.00
ANT-225-01	Gender & Society		KARP 004+	MWF 11:45AM 12:50PM	Khan, A.	LCC	1.00
ANT-234-01	Health and Healing in Africa		WLDC 225+	TTH 10:55AM 12:40PM	Osborn, M.	LCC	1.00
ANT-243-01	Anthro & Internat'l Developmnt		KARP 004+	TTH 01:55PM 03:40PM	Witsoe, J.	LCC	1.00
ANT-256-01	The Anthropology of Islam		KARP 001+	MWF 09:15AM 10:20AM	Khan, A.		1.00
ANT-270-01	Political Anthropology		KARP 004+	TTH 07:00PM 08:45PM	Witsoe, J.	LCC	1.00
ANT-295H-20	Anthro Honors Ind Project 1		TBA		Staff		0.00
ANT-296H-20	Anthro Honors Ind Project 2		TBA		Staff		1.00
ANT-390-01	Thinking About Culture		LIPM 017+	MW 03:05PM 04:45PM	Samet, R.	LCC	1.00
ANT-490-20	Anthropology Ind Study 1		TBA		Staff		1.00
ANT-498-20	Anthropology Senior Thesis 1		TBA		Staff	WS	0.00
ANT-499-01	Anthropology Senior Thesis 2		TBA		Samet, R.	WS	2.00
ANT-499-02	Anthropology Senior Thesis 2		TBA		Osborn, M.	WS	2.00
ANT-499-03	Anthropology Senior Thesis 2		TBA		Witsoe, J.	WS	2.00
ANT-499-20	Anthropology Senior Thesis 2		TBA		Staff	WS	2.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
<b>Arabic</b>							
ARB-101-01	Basic Arabic 2		LIPM 201+	MWF 09:15AM 10:20AM	Hawana, W.	LCCA	1.00
<b>Art History</b>							
AAH-205-01	Art & Science of Painting	Y	OLIN 206+	MW 01:50PM 04:40PM	Matthew, L.	SET/HUM	1.00
			OLIN 207	MW 01:50PM 04:40PM	Carroll, M.K.		
			KARP 105+	MW 01:50PM 04:40PM			
AAH-222-01	History of Photography		KARP 002+	MWF 11:45AM 12:50PM	Ogawa, D.	HUM	1.00
AAH-260-01	Nature, Art, & the Environment		KARP 105+	TTH 10:55AM 12:40PM	Matthew, L.		1.00
AAH-295H-20	Art History Honors Ind Proj 1		TBA		Staff		0.00
AAH-296H-20	Art History Honors Ind Proj 2		TBA		Staff		1.00
AAH-440-01	Sem:Art History Spec Topic		KARP 101+	TTH 01:55PM 03:40PM	Ogawa, D.	HUM/WAC/S	1.00
AAH-490-20	Art History Ind Study 1		TBA		Staff		1.00
AAH-498-20	Art History Senior Thesis 1		TBA		Staff		0.00
AAH-499-01	Art History Senior Thesis 2		TBA		Matthew, L.	WS	2.00
AAH-499-20	Art History Senior Thesis 2		TBA		Staff	WS	2.00
<b>Asian Studies</b>							
AIS-295H-20	Asian St Honors Ind Project 1		TBA		Staff		0.00
AIS-296H-20	Asian St Honors Ind Project 2		TBA		Staff		1.00
AIS-490-20	Asian Studies Ind Study 1		TBA		Staff		1.00
AIS-497-20	Asian Studies Senior Project		TBA		Staff	WS	1.00
AIS-498-20	Asian Studies Sr Thesis 1		TBA		Staff		0.00
AIS-499-20	Asian Studies Sr Thesis 2		TBA		Staff	WS	2.00
AMU-012-01	Taiko Ensemble Practicum	Y	TMC 103	TH 07:00PM 09:00PM	Matsue, J.M.		0.00
ANT-184-01	Contemporary Japanese Society		KARP 006+	MWF 10:30AM 11:35AM	Matsue, J.M.	LCC/WAC	1.00
ANT-243-01	Anthro & Internat'l Developmnt		KARP 004+	TTH 01:55PM 03:40PM	Witsoe, J.	LCC	1.00
CHN-100-01	Basic Chinese 1		LIPM 201+	MWF 01:50PM 02:55PM	Ferry, M.M.	HUM	1.00
CHN-101-01	Basic Chinese 2		KARP 101+	MWF 11:45AM 12:50PM	Zhang, Z.	LCCC/HUM	1.00
CHN-200-01	Intermediate Chinese 1		RCC 301+	MWF 11:45AM 12:50PM	Li, F.B.	LCCC/HUM	1.00
CHN-401-01	Media China		LIPM 200+	MWF 11:45AM 12:50PM	Ferry, M.M.	LCCC/HUM/WAC	1.00
HST-181-01	Confucians & Conquerors		KARP 001+	MWF 10:30AM 11:35AM	Madancy, J.	LCC	1.00
HST-288-01	Bombay to Mumbai		STZH 106+	MWF 01:50PM 02:55PM	Mazumder, R.	LCC	1.00
JPN-100-01	Basic Japanese 1		WLDC 028+	MWF 09:15AM 10:20AM	Vassil, K.		1.00
JPN-100-02	Basic Japanese 1		WLDC 028+	MWF 11:45AM 12:50PM	Vassil, K.		1.00
JPN-100-03	Basic Japanese 1		LIPM 010+	MWF 09:15AM 10:20AM	Lafave, S.	HUM	1.00
JPN-200-01	Intermediate Japanese 1		WLDC 028+	MWF 03:05PM 04:10PM	Lafave, S.	LCCJ	1.00
JPN-300-01	Advanced Inter Japanese 1		WLDC 028+	MWF 01:50PM 02:55PM	Lafave, S.	LCCJ	1.00
MLT-201-01	Chinese Cinema		KARP 004+	MW 03:05PM 04:45PM	Zhang, Z.	LCC/HUM/WAC	1.00
PHL-288-01	Skepticism East and West		LAMT 002	MWF 11:45AM 12:50PM	Nowakowski, D.		1.00
<b>Astronomy</b>							
AST-210-01	Galaxies		NWSE 112+	MWF 09:15AM 10:20AM	Koopmann, R.		1.00
<b>Biochemistry</b>							
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BCH-291-20	Biochemistry Research Pract. 1		TBA		Staff		0.00
BCH-292-20	Biochemistry Research Prac. 2		TBA		Staff		0.00
BCH-382-01	Biochem:Struc&Catalysis W/Lab	Y	LIPM 014+	MWF 10:30AM 11:35AM	Fox, K.		1.00
BCH-382L-01	Biochem: Struc & Catalysis Lab		WLDC 201+	W 01:55PM 05:45PM	Staff		0.00
			SWSE 228	W 01:55PM 05:45PM			
BCH-382L-02	Biochem: Struc & Catalysis Lab		WLDC 201+	TH 01:55PM 05:45PM	Staff		0.00
			SWSE 228	TH 01:55PM 05:45PM			
BCH-490-20	Biochemistry Independent Study		TBA		Staff		1.00
BCH-491-20	Biochemistry Research 1		TBA		Staff		1.00
BCH-492-01	Biochemistry Research 2		TBA		Cohen, B.D.		1.00
BCH-492-02	Biochemistry Research 2		TBA		Tyler, L.A.		1.00
BCH-492-03	Biochemistry Research 2		TBA		Paulick, M.		1.00
BCH-492-04	Biochemistry Research 2		TBA		MacManus-Spencer, L.		1.00
BCH-492-20	Biochemistry Research 2		TBA		Staff		1.00
BCH-493-20	Biochemistry Research 3		TBA		Staff		1.00
<b>Bioengineering</b>							
At the request of the Dept. Chair; students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.							
BNG-201-01	Biomechanics I W/Lab		OLIN 306+	TTH 10:55AM 12:40PM	Mafi, M.		1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
BNG-201L-01	Biomechanics I Lab		BUTR 106+	T 01:55PM 04:45PM	Mafi, M.		0.00
BNG-201L-02	Biomechanics I Lab		BUTR 106+	TH 01:55PM 04:45PM	Mafi, M.		0.00
BNG-295H-20	Bioengineer Honors Ind Proj 1		TBA		Staff		0.00
BNG-296H-20	Bioengineer Honors Ind Proj 2		TBA		Staff		1.00
BNG-335-01	Polymeric Biomaterials	Y	NWSE 222+	MWF 10:30AM 11:35AM	Khetan, S.		1.00
BNG-386-01	Biomed Instrumentation W/Lab		NWSE 100	TTH 09:00AM 10:45AM	Buma, T.		1.00
BNG-386L-01	Biomedical Instrumentation Lab		NWSE 106	M 01:50PM 04:40PM	Buma, T.		0.00
BNG-386L-02	Biomedical Instrumentation Lab		NWSE 106	T 01:55PM 04:45PM	Buma, T.		0.00
BNG-487-01	Medical Imaging Systems		NWSE 100	TTH 10:55AM 12:40PM	Buma, T.		1.00
BNG-490-20	Bioengineer Independent Study		TBA		Staff		1.00
BNG-495-01	Bioengineering Capstone Design		WLDC 010+	MWF 09:15AM 10:20AM	Cotter, S. Khetan, S.	WS	1.00
BNG-497-20	Bioengineering Sr. Project 1		TBA		Staff		1.00
BNG-498-20	Bioengineering Sr. Project 2		TBA		Staff	WAC	1.00

## Biology

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**THOSE REGISTERING FOR BIO-110-01 MUST REGISTER FOR RECITATION SECT 01 or 02; BIO-110-02 MUST REGISTER FOR RECITATION SECT 03 or 04.**

BIO-050-01	Contemporary Biology w/Lab	Y	WLDC 225+	MWF 09:15AM 10:20AM	Willing, R.	SCLB	1.00
BIO-050L-01	Contemporary Biology Lab		SWSE 103	TH 01:55PM 04:45PM	Willing, R.		0.00
BIO-050L-02	Contemporary Biology Lab		SWSE 103	W 01:50PM 04:40PM	Willing, R.		0.00
BIO-077-01	Technology of Biology	Y	BAIL 207+	TTH 10:55AM 12:40PM	Salvo, J.L.	SET	1.00
*BIO-110-01	Heredity Evolution Ecology	Y	LIPM 017+	MWF 09:15AM 10:20AM	Staff	SET	1.00
*BIO-110-02	Heredity Evolution Ecology	Y	OLIN 306+	MWF 11:45AM 12:50PM	Staff	SET	1.00
*BIO-110X-01	Heredity/Evol/Eco Recitation		OLIN 306+	TH 01:55PM 03:15PM	Staff		0.00
*BIO-110X-02	Heredity/Evol/Eco Recitation		OLIN 306+	TH 03:25PM 04:45PM	Staff		0.00
*BIO-110X-03	Heredity/Evol/Eco Recitation		OLIN 106+	M 01:50PM 03:10PM	Staff		0.00
*BIO-110X-04	Heredity/Evol/Eco Recitation		OLIN 106+	M 03:15PM 04:40PM	Staff		0.00
BIO-112-01	Cells & Organisms w/Lab	Y	OLIN 306+	MWF 08:00AM 09:05AM	Staff	SCLB/WAC	1.00
BIO-112-02	Cells & Organisms w/Lab	Y	OLIN 306+	MWF 09:15AM 10:20AM	Staff	SCLB/WAC	1.00
BIO-112L-01	Cells & Organisms Lab		SWSE 105	M 01:50PM 04:40PM	Staff		0.00
BIO-112L-02	Cells & Organisms Lab		SWSE 105	T 01:55PM 04:45PM	Staff		0.00
BIO-112L-03	Cells & Organisms Lab		SWSE 105	W 01:50PM 04:40PM	Staff		0.00
BIO-112L-04	Cells & Organisms Lab		SWSE 105	TH 01:55PM 04:45PM	Staff		0.00
BIO-210-01	Behavioral Neuroscience	Y	BAIL 312+	MWF 08:00AM 09:05AM	Hayes, D.	SET	1.00
BIO-242-01	Neurobiology	Y	BAIL 201+	MWF 10:30AM 11:35AM	Chu-LaGraff, Q. Olberg, R.		1.00
BIO-291-01	Biology Research Practicum	Y	TBA		Lauzon, R.		0.00
BIO-291-20	Biology Research Practicum		TBA		Staff		0.00
BIO-292-20	Biology Research Practicum 2	Y	TBA		Staff		0.00
BIO-293-20	Biology Research Practicum 3	Y	TBA		Staff		1.00
BIO-295H-20	Biology Honors Ind Project 1		TBA		Staff		0.00
BIO-296H-20	Biology Honors Ind Project 2		TBA		Staff		1.00
BIO-314-01	Ornithology W/Lab	Y	OLIN 204+	MWF 09:15AM 10:20AM	Bishop, J.		1.00
BIO-314L-01	Ornithology Lab		SWSE 201	W 01:50PM 04:45PM	Bishop, J.		0.00
BIO-325-01	Animal Behavior W/Lab	Y	BAIL 201+	TTH 10:55AM 12:40PM	Fleishman, L.		1.00
BIO-325L-01	Animal Behavior Lab		SWSE 101	T 01:55PM 04:45PM	Fleishman, L.		0.00
BIO-325L-02	Animal Behavior Lab		SWSE 101	W 01:50PM 04:40PM	Fleishman, L.		0.00
BIO-350-01	Evolutionary Biology	Y	OLIN 106+	MWF 10:30AM 11:35AM	Yukilevich, R.		1.00
BIO-354-01	Developmental Biology w/Lab	Y	OLIN 204+	MWF 10:30AM 11:35AM	Theodosiou Napier, N.	WAC	1.00
BIO-354L-01	Developmental Biology Lab		SWSE 004	T 01:55PM 04:45PM	Theodosiou Napier, N.		0.00
BIO-354L-02	Developmental Biology Lab		SWSE 004	W 01:50PM 04:40PM	Theodosiou Napier, N.		0.00
BIO-370-01	General Endocrinology	Y	KARP 008+	MWF 11:45AM 12:50PM	Cohen, B.D.		1.00
BIO-382-01	Biochem: Struc & Catalys W/Lab	Y	LIPM 014+	MWF 10:30AM 11:35AM	Fox, K.		1.00
BIO-382L-01	Biochem: Struc & Catalysis Lab		WLDC 201+	W 01:50PM 05:40PM	Staff		0.00
			SWSE 228	W 01:50PM 05:40PM			
BIO-382L-02	Biochem: Struc & Catalysis Lab		WLDC 201+	TH 01:55PM 05:45PM	Staff		0.00
			SWSE 228	TH 01:55PM 05:45PM			
BIO-384-01	Genetics and Molecular Biology	Y	WLDC 128+	MWF 11:45AM 12:50PM	Horton, J. S.		1.00
BIO-384L-01	Molecular Genetics Lab		WLDC 201+	M 01:50PM 04:40PM	Horton, J. S.		0.00
BIO-384L-02	Molecular Genetics Lab		WLDC 201+	T 01:55PM 04:45PM	Horton, J. S.		0.00
BIO-487-01	Topics: Ecological & Evolu Bio	Y	LIPM 010+	TTH 01:55PM 03:40PM	Yukilevich, R.	WS	1.00
BIO-489-01	Topics: Cellular & Molecular	Y	LIPM 010+	TTH 10:55AM 12:40PM	Danowski, B.	WS	1.00
BIO-490-20	Biology Research 1		TBA		Staff		1.00
BIO-491-01	Biology Research 2		TBA		Rice, S.K.		1.00
BIO-491-20	Biology Research 2		TBA		Staff		1.00
BIO-492-20	Biology Research 3		TBA		Staff		1.00
BIO-493-20	Biology Research 4		TBA		Staff		1.00
BIO-494-20	Biology Research 5		TBA		Staff		1.00
BIO-495-20	Biology Research 6		TBA		Staff	WS	1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
BIO-497-20	Biology Honors Research 1		TBA		Staff	WS	1.00
BIO-498-01	Biology Honors Research 2		TBA		Danowski, B.	WS	1.00
BIO-498-02	Biology Honors Research 2		TBA		Cohen, B.D.	WS	1.00
BIO-498-03	Biology Honors Research 2		TBA		Yukilevich, R.	WS	1.00
BIO-498-04	Biology Honors Research 2		TBA		Paulick, M.	WS	1.00
BIO-498-05	Biology Honors Research 2		TBA		LoGiudice, K.	WS	1.00
BIO-498-06	Biology Honors Research 2		TBA		Rice, S.K.	WS	1.00
BIO-498-20	Biology Honors Research 2		TBA		Staff	WS	1.00
BIO-499-01	Biology Honors Research 3		TBA		Olberg, R.	WS	1.00
BIO-499-02	Biology Honors Research 3		TBA		Kirkton, S.	WS	1.00
BIO-499-20	Biology Honors Research 3		TBA		Staff	WS	1.00

### Chemistry

At the request of the Dept. Chair, students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

CHM-090-01	Art & Science of Painting	Y	KARP 105+ OLIN 206+ OLIN 207	MW MW MW	01:50PM 04:40PM 01:50PM 04:40PM 01:50PM 04:40PM	Carroll, M.K. Matthew, L.	SET/HUM	1.00
CHM-101-01	Intro Chemistry I W/Lab	Y	KARP 005+	MWF	09:15AM 10:20AM	Staff	SCLB	1.00
CHM-101-02	Intro Chemistry I W/Lab	Y	WLDC 225+	MWF	11:45AM 12:50PM	Staff	SCLB	1.00
CHM-101L-01	Intro Chemistry 1 Lab		OLIN 201 OLIN 204+	M M	01:50PM 04:40PM 01:50PM 04:40PM	Staff		0.00
CHM-101L-02	Intro Chemistry 1 Lab		OLIN 201 OLIN 204+	T T	09:00AM 11:50AM 09:00AM 11:50AM	Staff		0.00
CHM-101L-03	Intro Chemistry 1 Lab		OLIN 201 OLIN 204+	T T	01:55PM 04:45PM 01:55PM 04:45PM	Staff		0.00
CHM-101L-04	Intro Chemistry 1 Lab		OLIN 201 OLIN 204+	W W	01:50PM 04:40PM 01:50PM 04:40PM	Staff		0.00
CHM-102-01	Intro Chemistry 2 W/Lab	Y	OLIN 206+ OLIN 201	MWF MWF	09:15AM 10:20AM 09:15AM 10:20AM	Staff	SCLB	1.00
CHM-102-02	Intro Chemistry 2 W/Lab	Y	OLIN 206+	MWF	11:45AM 12:50PM	Staff	SCLB	1.00
CHM-102L-01	Intro Chemistry 2 Lab		OLIN 201 OLIN 204+	TH TH	01:55PM 04:45PM 01:55PM 04:45PM	Staff		0.00
CHM-102L-02	Intro Chemistry 2 Lab		OLIN 201 OLIN 204+	TH TH	09:00AM 11:50AM 09:00AM 11:50AM	Staff		0.00
CHM-102L-03	Intro Chemistry 2 Lab		OLIN 201 OLIN 204+	F F	01:50PM 04:40PM 01:50PM 04:40PM	Staff		0.00
CHM-224-01	Nanotechnology & Nanomaterials	Y	STZH 106+	TTH	09:00AM 10:45AM	Hagerman, M.		1.00
CHM-231-01	Organic Chem 1 W/Lab	Y	OLIN 115+ OLIN 115+	MWF T	09:15AM 10:20AM 03:50PM 05:00PM	Adrian, J.C.		1.00
CHM-231L-01	Organic Chem 1 Lab		SWSE 102 SWSE 109	TH TH	09:00AM 12:50PM 09:00AM 12:50PM	Staff		0.00
CHM-231L-02	Organic Chem 1 Lab		SWSE 102 SWSE 109	TH TH	01:55PM 05:45PM 01:55PM 05:45PM	Staff		0.00
CHM-231L-03	Organic Chem 1 Lab		SWSE 102 SWSE 109	F F	01:50PM 05:40PM 01:50PM 05:40PM	Staff		0.00
CHM-231L-04	Organic Chem 1 Lab		SWSE 109 SWSE 102	W W	01:50PM 05:40PM 01:50PM 05:40PM	Staff		0.00
CHM-232-01	Organic Chem 2 W/Lab	Y	OLIN 115+ OLIN 115+	MWF TH	11:45AM 12:50PM 03:50PM 05:00PM	Staff		1.00
CHM-232L-01	Organic Chem 2 Lab		SWSE 102 SWSE 109	T T	09:00AM 12:50PM 09:00AM 12:50PM	Staff		0.00
CHM-232L-02	Organic Chem 2 Lab		SWSE 102 SWSE 109	T T	01:55PM 05:45PM 01:55PM 05:45PM	Staff		0.00
CHM-245-01	Environmental Chemistry	Y	OLIN 206+ OLIN 207	TTH TTH	09:00AM 12:40PM 09:00AM 12:40PM	MacManus-Spencer, L.		1.00
CHM-291-20	Research Practicum 1	Y	BAIL 207+	TH	12:50PM 01:45PM	Staff		0.00
CHM-292-20	Research Practicum 2	Y	BAIL 207+	TH	12:50PM 01:45PM	Staff		0.00
CHM-295H-01	Chemistry Honors Ind Project 1		TBA			Adrian, J.C.		0.00
CHM-351-01	Kinetics & Thermo W/Lab	Y	STZH 106+	MWF	09:15AM 10:20AM	Huisman, A.	WAC	1.00
CHM-351L-01	Kinetics & Thermo Lab		SWSE 215 SWSE 228	M M	01:50PM 05:40PM 01:50PM 05:40PM	Staff		0.00
CHM-351L-02	Kinetics & Thermo Lab		SWSE 215 SWSE 228	T T	01:55PM 05:45PM 01:55PM 05:45PM	Staff		0.00
CHM-360-01	Adv Topics in Inorganic Chem		OLIN 206+	MWF	10:30AM 11:35AM	Hagerman, M.	WAC	1.00
CHM-382-01	Biochem:Struc&Catlysis W/Lab	Y	LIPM 014+	MWF	10:30AM 11:35AM	Fox, K.		1.00
CHM-382L-01	Biochem: Struc & Catalysis Lab		WLDC 201+ SWSE 228	W W	01:50PM 05:40PM 01:50PM 05:40PM	Staff		0.00
CHM-382L-02	Biochem: Struc & Catalysis Lab		WLDC 201+ SWSE 228	TH TH	01:55PM 05:45PM 01:55PM 05:45PM	Staff		0.00
CHM-491-20	Chemical Research 1		BAIL 207+	TH	12:50PM 01:45PM	Staff	WS	1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
CHM-492-01	Chemical Research 2		TBA		Carroll, M.K.	WS	1.00
CHM-492-02	Chemical Research 2		TBA		Tyler, L.A.	WS	1.00
CHM-492-03	Chemical Research 2		TBA		Anderson, J.	WS	1.00
CHM-492-04	Chemical Research 2		TBA		Ramalingam, V.	WS	1.00
CHM-492-20	Chemical Research 2		BAIL 207+	TH 12:50PM 01:45PM	Staff	WS	1.00
CHM-493-20	Chemical Research 3		BAIL 207+	TH 12:50PM 01:45PM	Staff	WS	1.00

### Chinese

Before signing up for your first Chinese course at Union, you must check with the Modern Languages Dept. in Karp Hall.

CHN-100-01	Basic Chinese 1		LIPM 201+	MWF 01:50PM 02:55PM	Ferry, M.M.	HUM	1.00
CHN-101-01	Basic Chinese 2		KARP 101+	MWF 11:45AM 12:50PM	Zhang, Z.	LCCC/HUM	1.00
CHN-200-01	Intermediate Chinese 1		RCC 301+	MWF 11:45AM 12:50PM	Li, F.B.	LCCC/HUM	1.00
CHN-295H-20	Chinese Honors Ind Project 1		TBA		Staff		0.00
CHN-296H-20	Chinese Honors Ind Project 2		TBA		Staff		1.00
CHN-297H-01	Chinese 1-TERM Research		TBA		Ferry, M.M.		1.00
CHN-401-01	Media China		LIPM 200+	MWF 11:45AM 12:50PM	Ferry, M.M.	LCCC/HUM/WAC	1.00

### Classics

CLS-110-01	Ancient Egypt: History & Religion		WLDC 010+	MWF 11:45AM 12:50PM	Bedford, P.	LCC/HUM	1.00
CLS-126-01	Rise of the Roman Republic		OLIN 115+	TTH 10:55AM 12:40PM	Toher, M.	LCC/HUM	1.00
CLS-140-01	Intro to Greek Archaeology		LIPM 017+	MWF 01:50PM 02:55PM	Commito, A.	HUM	1.00
CLS-163-01	Greek & Roman Comedy & Romance		LIPM 101+	TTH 09:00AM 10:45AM	Toher, M.	HUL/LCC	1.00
CLS-295H-20	Classics Honors Ind Project 1		TBA		Staff		0.00
CLS-296H-01	Classics Honors Ind Project 2		TBA		Gazzarri, T.		1.00
CLS-296H-20	Classics Honors Ind Project 2		TBA		Staff		1.00
CLS-497-20	Classics Senior Project		TBA		Staff	WS	1.00
CLS-498-01	Classics Senior Thesis 1		TBA		Raucci, S.		0.00
CLS-498-20	Classics Senior Thesis 1		TBA		Staff		0.00
CLS-499-01	Classics Senior Thesis 2		TBA		Raucci, S.	WS	2.00
CLS-499-20	Classics Senior Thesis 2		TBA		Staff	WS	2.00

### Computer Science

\*By permission of Instructor Only.

CSC-106-01	Can Computers Think? W/Lab	Y	OLIN 107+	MWF 01:50PM 02:55PM	Striegnitz, K.	QMR/SET	1.00
			OLIN 107+	T 01:55PM 03:40PM			
CSC-107-01	Creative Computing	Y	OLIN 107+	MWF 11:45AM 12:50PM	Webb, N.	QMR/SET	1.00
			OLIN 107+	T 10:55AM 12:40PM			
CSC-109-01	Comp Programming for Eng	Y	OLIN 107+	MW 03:05PM 04:45PM	Anderson, M.	SET/QMR	1.00
CSC-150-01	Data Structures	Y	OLIN 107+	MWF 08:00AM 09:05AM	Striegnitz, K.		1.00
CSC-150L-01	Data Structures Lab		NWSE 104	TH 10:55AM 12:40PM	Cass, A.		0.00
CSC-150L-02	Data Structures Lab		NWSE 104	TH 01:55PM 03:40PM	Cass, A.		0.00
CSC-234-01	Data Visualization	Y	OLIN 107+	TTH 09:00AM 10:45AM	Barr, V.	SET	1.00
CSC-260-01	Large-Scale Software Design	Y	WLDC 128+	MW 03:05PM 04:45PM	Barr, V.		1.00
CSC-270-01	Computer Organization W/Lab	Y	BAIL 102+	MWF 10:30AM 11:35AM	Rieffel, J.		1.00
CSC-270L-01	Computer Organization Lab		NWSE 104	T 10:55AM 12:40PM	Rieffel, J.		0.00
CSC-270L-02	Computer Organization Lab		NWSE 104	T 01:55PM 03:40PM	Rieffel, J.		0.00
CSC-281-20	CS Practicum 1		TBA		Staff		0.00
CSC-282-20	CS Practicum 2		TBA		Staff		0.00
CSC-283-20	CS Practicum 3		TBA		Staff		0.00
CSC-318-01	Digital Design W/Lab		NWSE 102	TTH 10:55AM 12:40PM	Traver, C.	WAC	1.00
CSC-318L-01	Digital Design Lab		NWSE 106	F 01:55PM 04:40PM	Traver, C.		0.00
CSC-318L-02	Digital Design Lab		NWSE 106	TH 01:55PM 04:40PM	Traver, C.		0.00
CSC-385-01	Computer Graphics		WLDC 225+	MW 03:05PM 04:45PM	Cass, A.		1.00
*CSC-490-20	Computer Sci Ind Study 1		TBA		Staff		1.00
*CSC-491-20	Computer Sci Ind Study 2		TBA		Staff		1.00
*CSC-492-20	Computer Sci Ind Study 3		TBA		Staff		1.00
*CSC-497-20	CS Capstone Design Seminar		TBA		Staff		0.50
*CSC-498-20	CSC Capstone Design Project 1		TBA		Staff		0.75
*CSC-499-01	CSC Capstone Design Project 2		TBA		Anderson, M.	WS	0.75
*CSC-499-02	CSC Capstone Design Project 2		TBA		Barr, V.	WS	0.75
*CSC-499-03	CSC Capstone Design Project 2		TBA		Cass, A.	WS	0.75
*CSC-499-04	CSC Capstone Design Project 2		TBA		Fernandes, C.	WS	0.75
*CSC-499-05	CSC Capstone Design Project 2		TBA		Rieffel, J.	WS	0.75
*CSC-499-06	CSC Capstone Design Project 2		TBA		Striegnitz, K.	WS	0.75
*CSC-499-07	CSC Capstone Design Project 2		TBA		Webb, N.	WS	0.75
*CSC-499-20	CSC Capstone Design Project 2		TBA		Staff	WS	0.75

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
<b>Dance</b>							
*By permission of Instructor Only.							
**Please note that ADA-070 through ADA-074 require an audition prior to registering.							
ADA-010-01	Ballet 1 Practicum		HENL DANS	M 05:00PM 06:15PM	Geren, C. Mouillet, M.		0.00
ADA-011-01	Ballet 2 Practicum		HENL DANS	T 05:00PM 06:30PM	Geren, C. Mouillet, M.		0.00
ADA-022-01	Lyrical Jazz Practicum		HENL DANS	TH 06:30PM 08:00PM	Rogers, M.		0.00
ADA-035-01	Dance & Fitness Practicum		HENL DANS	TTH 01:00PM 01:40PM	Mouillet, M.		0.00
ADA-038-01	Yoga Dance Practicum		HENL DANS	M 11:45AM 12:50PM	Rogers, M.		0.00
ADA-050-01	Rehearsal and Production		YULM THR	TBA	Mouillet, M.		0.00
ADA-060-01	Hip Hop I Practicum		HENL DANS	W 05:00PM 06:15PM	Wasbes, C. Mouillet, M.		0.00
ADA-061-01	Hip Hop II Practicum		HENL DANS	W 06:30PM 07:45PM	Wasbes, C. Mouillet, M.		0.00
**ADA-070-01	Choreography-Modern Dance Prac		HENL DANS	M 01:30PM 03:00PM	Cawley, L. Mouillet, M.		0.00
**ADA-071-01	Choreography - Jazz Prac		YULM THR	T 06:40PM 08:00PM	Rogers, M.		0.00
**ADA-072-01	Choreography Ensemble Practicum		HENL DANS	W 01:30PM 03:00PM	Mouillet, M. Rogers, M.		0.00
**ADA-073-01	Choreography-Rhythm Practicum		HENL DANS	TH 05:00PM 06:15PM	Rogers, M.		0.00
**ADA-074-01	Choreography Ballet Practicum		HENL DANS	F 01:30PM 03:00PM	Mouillet, M.		0.00
ADA-150-01	Explorations in Dance Theater	Y	HENL DANS HENL 203 MESA 105+	TTH 01:55PM 04:00PM TTH 01:55PM 04:00PM TTH 01:55PM 04:00PM	Mouillet, M. Batson, C.R.	HUM	1.00
*ADA-295H-01	Dance Honors Choreography 1		TBA		Mouillet, M.		0.00
*ADA-296H-01	Dance Honors Choreography 2		TBA		Mouillet, M.		1.00
*ADA-350-01	Choreography		HENL DANS HENL 203	T 09:30AM 10:45AM T 09:30AM 10:45AM	Mouillet, M.	HUM	1.00
*ADA-350-25	Choreography		TBA		Mouillet, M.	HUM	1.00
*ADA-370-01	Theater / Dance Internship		TBA		Finlay, W.		1.00
*ADA-490-01	Dance Project 1		TBA		Mouillet, M.		1.00
*ADA-491-01	Dance Project 2		HENL 203	T 09:30AM 10:45AM	Mouillet, M.		1.00
<b>Economics</b>							
*By permission of Instructor Only.							
ECO-101-01	Introduction to Economics		LIPM 016+	TTH 09:00AM 10:45AM	Schmidt, S.S.	SOCS	1.00
ECO-101-02	Introduction to Economics		LIPM 016+	TTH 10:55AM 12:40PM	Schmidt, S.S.	SOCS	1.00
ECO-225-01	The Economics of Sin	Y	LIPM 017+	MWF 11:45AM 12:50PM	Davis, L.S.		1.00
ECO-230-01	The Mind of the Entrepreneur	Y	KARP 005+	TTH 10:55AM 12:40PM	Fried, H.		1.00
ECO-233-01	Public Policy & Amer Industry	Y	OLIN 106+	TTH 10:55AM 12:40PM	Klein, D.		1.00
ECO-241-01	Microeconomic Analysis	Y	LIPM 012+	TTH 01:55PM 03:40PM	Gao, J.		1.00
ECO-242-01	Macro Theory & Policy	Y	KARP 005+	MW 07:00PM 08:45PM	Sener, M.F.		1.00
ECO-242-02	Macro Theory & Policy	Y	KARP 005+	TTH 09:00AM 10:45AM	Sener, M.F.		1.00
ECO-243-01	Intro to Econometrics	Y	LIPM 016+	MWF 01:50PM 02:55PM	Schmidt, S.J.	WAC	1.00
ECO-295H-01	Economics Honors Ind Project 1		TBA		Gao, J.		0.00
ECO-295H-20	Economics Honors Ind Project 1		TBA		Staff		0.00
ECO-296H-20	Economics Honors Ind Project 2		TBA		Staff		1.00
ECO-334-01	Intro to Financial Analysis		KARP 008+	MWF 09:15AM 10:20AM	Kenney, J.	WAC	1.00
ECO-335-01	Economics of Health		WLDC 225+	TTH 09:00AM 10:45AM	Song, Y.		1.00
ECO-364-01	Business Analytics	Y	OLIN 106+	MWF 09:15AM 10:20AM	Staff		1.00
ECO-375-01	Efficient Mgmt of Technology		OLIN 106+	TTH 01:55PM 03:40PM	Yaisawarng, S.	WAC	1.00
ECO-390-01	Economic Internships	Y	KARP 001+	MW 03:05PM 04:45PM	Fried, H.		1.00
*ECO-391-01	Income Tax: Policy & Practice		OLIN 106+	TTH 07:00PM 08:45PM	O'Keefe, M.		1.00
ECO-490-20	Economics Independent Study 1		TBA		Staff		1.00
ECO-498-01	Economics Senior Thesis 1		TBA		Davis, L.S.		0.00
ECO-498-02	Economics Senior Thesis 1		TBA		Dvorak, T.		0.00
ECO-498-03	Economics Senior Thesis 1		TBA		Foster, E.		0.00
ECO-498-04	Economics Senior Thesis 1		TBA		Gao, J.		0.00
ECO-498-05	Economics Senior Thesis 1		TBA		Schmidt, S.S.		0.00
ECO-498-06	Economics Senior Thesis 1		TBA		Song, Y.		0.00
ECO-498-07	Economics Senior Thesis 1		TBA		Schmidt, S.J.		0.00
ECO-498-08	Economics Senior Thesis 1		TBA		Yaisawarng, S.		0.00
ECO-498-20	Economics Senior Thesis 1		TBA		Staff		0.00
ECO-499-01	Economics Senior Thesis 2		TBA		Sener, M.F.	WS	2.00
ECO-499-02	Economics Senior Thesis 2		TBA		Kenney, J.	WS	2.00
ECO-499-03	Economics Senior Thesis 2		TBA		Motahar, E.	WS	2.00
ECO-499-04	Economics Senior Thesis 2		TBA		Dvorak, T.	WS	2.00
ECO-499-05	Economics Senior Thesis 2		TBA		Davis, L.S.	WS	2.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
ECO-499-06	Economics Senior Thesis 2		TBA		Klein, D.	WS	2.00
ECO-499-07	Economics Senior Thesis 2		TBA		Lewis, B.G.	WS	2.00
ECO-499-08	Economics Senior Thesis 2		TBA		Foster, E.	WS	2.00
ECO-499-09	Economics Senior Thesis 2		TBA		Fried, H.	WS	2.00
ECO-499-10	Economics Senior Thesis 2		TBA		Gao, J.	WS	2.00
ECO-499-11	Economics Senior Thesis 2		TBA		Schmidt, S.S.	WS	2.00
ECO-499-12	Economics Senior Thesis 2		TBA		Song, Y.	WS	2.00
ECO-499-13	Economics Senior Thesis 2		TBA		Schmidt, S.J.	WS	2.00
ECO-499-14	Economics Senior Thesis 2		TBA		Yaisawarng, S.	WS	2.00
ECO-499-20	Economics Senior Thesis 2		TBA		Staff	WS	2.00

### Electrical & Computer Engineering

At the request of the Dept. Chair, students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

ECE-101-01	The Joy of Electronics	Y	NWSE 106	TTH	09:00AM 10:45AM	Hedrick, J.N.	SET	1.00
ECE-101-02	The Joy of Electronics	Y	NWSE 106	TTH	10:55AM 12:40PM	Hedrick, J.N.	SET	1.00
ECE-101-03	The Joy of Electronics	Y	NWSE 106	MWF	10:30AM 11:35AM	Hedrick, J.N.	SET	1.00
ECE-222-01	Intro to Circuits & Elec W/Lab		NWSE 102	MWF	09:15AM 10:20AM	Spinelli, J.		1.00
ECE-222L-01	Intro to Circuits & Elec Lab		NWSE 102	T	01:55PM 04:45PM	Spinelli, J.		0.00
ECE-222L-02	Intro to Circuits & Elec Lab		NWSE 102	W	01:50PM 04:40PM	Spinelli, J.		0.00
ECE-225-01	Electric Circuits w/Lab	Y	WLDC 128+	MWF	09:15AM 10:20AM	Dosiek, L.		1.00
ECE-225L-01	Electric Circuits Lab		NWSE 102	M	01:50PM 04:40PM	Dosiek, L.		0.00
ECE-225L-02	Electric Circuits Lab		NWSE 102	TH	01:55PM 04:45PM	Dosiek, L.		0.00
ECE-240-01	Circuits & Systems w/Lab	Y	NWSE 100	MWF	09:15AM 10:20AM	Hanson, H.	WAC	1.00
ECE-240L-01	Circuits & Systems Lab		NWSE 100	W	01:50PM 04:40PM	Hanson, H.		0.00
ECE-240L-02	Circuits & Systems Lab		NWSE 100	TH	01:55PM 04:45PM	Hanson, H.		0.00
ECE-281-20	ECE Research Practicum 1		TBA			Staff		0.00
ECE-282-20	ECE Research Practicum 2		TBA			Staff		0.00
ECE-283-20	ECE Research Practicum 3		TBA			Staff		1.00
ECE-295H-20	Elec Engr Honors Ind Project 1		TBA			Staff		0.00
ECE-296H-20	Elec Engr Honors Ind Project 2		TBA			Staff		1.00
ECE-318-01	Digital Design w/Lab		NWSE 102	TTH	10:55AM 12:40PM	Traver, C.	WAC	1.00
ECE-318L-01	Digital Design Lab		NWSE 106	F	01:50PM 04:40PM	Traver, C.		0.00
ECE-318L-02	Digital Design Lab		NWSE 106	TH	01:55PM 04:40PM	Traver, C.		0.00
ECE-366-01	Control Systems w/Lab		NWSE 102	MWF	08:00AM 09:05AM	Sanchez, J.		1.00
ECE-366L-01	Control Systems Lab		NWSE 106	MW	07:00PM 08:45PM	Sanchez, J.		0.00
ECE-386-01	Biomed Instrumentation W/Lab		NWSE 100	TTH	09:00AM 10:45AM	Buma, T.		1.00
ECE-386L-01	Biomedical Instrumentation Lab		NWSE 106	M	01:50PM 04:40PM	Buma, T.		0.00
ECE-386L-02	Biomedical Instrumentation Lab		NWSE 106	T	01:55PM 04:45PM	Buma, T.		0.00
ECE-481-01	Topic: The Internet of Things	Y	NWSE 100	MWF	11:45AM 12:50PM	Staff		1.00
ECE-487-01	Medical Imaging Systems		NWSE 100	TTH	10:55AM 12:40PM	Buma, T.		1.00
ECE-490-20	Electrical Engr Ind Study 1		TBA			Staff		1.00
ECE-497-20	Elec Eng/Comp Eng Capstone 1		TBA			Staff		0.50
ECE-498-20	Electr/Comp Engr Capstone 2		TBA			Staff		0.50
ECE-499-01	Elec Eng/Comp Engr Capstone 3		TBA			Hedrick, J.N.	WS	1.00
ECE-499-02	Elec Eng/Comp Engr Capstone 3		TBA			Spinelli, J.	WS	1.00
ECE-499-03	Elec Eng/Comp Engr Capstone 3		TBA			Frangieh, T.	WS	1.00
ECE-499-04	Elec Eng/Comp Engr Capstone 3		TBA			Traver, C.	WS	1.00
ECE-499-05	Elec Eng/Comp Engr Capstone 3		TBA			Buma, T.	WS	1.00
ECE-499-20	Elec/Comp Engr Capstone 3		TBA			Staff	WS	1.00

### Engineering Science

ESC-224-01	Nanotechnology & Nanomaterials	Y	STZH 106+	TTH	09:00AM 10:45AM	Hagerman, M.		1.00
ESC-324-01	Topics in Nanoscience W/Lab	Y	WLDC 010+	TTH	09:00AM 10:45AM	Catravas, P. Cohen, B.D.		1.00
ESC-324L-01	Topics in Nanoscience Lab		OLIN 005	TBA	TBA	Catravas, P.		0.00

### English

EGL-098-01	Tragedy		BAIL 104+	MWF	09:15AM 10:20AM	Heinegg, P.	HUL/WAC	1.00
EGL-100-01	Intro to Study of Lit: Poetry	Y	KARP 006+	MWF	09:15AM 10:20AM	Smith, J.	HUL/WAC	1.00
EGL-100-02	Intro to Study of Lit: Poetry		KARP 200+	MWF	10:30AM 11:35AM	Lynes, K.	HUL/WAC	1.00
EGL-100-03	Intro to Study of Lit: Poetry		KARP 200+	MWF	11:45AM 12:50PM	Lynes, K.	HUL/WAC	1.00
EGL-101-01	Intro to Study of Lit: Fiction		KARP 006+	MWF	08:00AM 09:05AM	Goodman, L.	HUL/WAC	1.00
EGL-101-02	Intro to Study of Lit: Fiction		KARP 004+	MWF	01:50PM 02:55PM	Goodman, L.	HUL/WAC	1.00
EGL-101-03	Intro to Study of Lit: Fiction		WLDC 128+	TTH	09:00AM 10:45AM	Burkett, A.	HUL/WAC	1.00
EGL-101-04	Intro to Study of Lit: Fiction		KARP 200+	TTH	10:55AM 12:40PM	Murphy, J.	HUL/WAC	1.00
EGL-101-05	Intro to Study of Lit: Fiction		KARP 002+	TTH	10:55AM 12:40PM	Troxell, J.	HUL/WAC	1.00
EGL-102-01	Intro to Study of Lit: Drama		KARP 006+	TTH	01:55PM 03:40PM	Wareh, P.	HUL/WAC	1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
EGL-200-01	Shakespeare to 1600		LIPM 101+	MWF 11:45AM 12:50PM	Doyle, K.A.	HUL	1.00
EGL-213-01	Amer Lit: Beginnings to 1800		KARP 200+	TTH 09:00AM 10:45AM	Murphy, J.	HUL/WAC	1.00
EGL-225-01	The Bronte Sisters		KARP 005+	MWF 10:30AM 11:35AM	Goodman, L.	HUL/WAC	1.00
EGL-233-01	Afr-Am Lit: Beginnings to 1900		KARP 006+	MWF 01:50PM 02:55PM	Lynes, K.	HUL/LCC/WAC	1.00
EGL-244-01	Contemporary British Lit.		STZH 106+	MWF 11:45AM 12:50PM	Mitchell, J.	HUL/WAC	1.00
EGL-276-01	Manor House		WLDC 128+	TTH 10:55AM 12:40PM	Burkett, A.	HUL/WAC	1.00
EGL-288-01	Film As Fictive Art		KARP 002+	TTH 01:55PM 03:40PM	Troxell, J.	HUL/WAC	1.00
EGL-295H-20	English Honors Ind Project 1		TBA		Staff	HUL	0.00
EGL-296H-20	English Honors Ind Project 2		TBA		Staff	HUL	1.00
EGL-300-01	Jr. Sem: Poetry Workshop	Y	KARP 002+	MWF 10:30AM 11:35AM	Smith, J.	HUL/WAC	1.00
EGL-302-01	Literary Theory	Y	KARP 200+	MW 03:05PM 04:45PM	Mitchell, J.	HUL	1.00
EGL-403-01	Honors Thesis Seminar 2	Y	KARP 006+	TTH 09:00AM 10:45AM	Wareh, P.	HUL/WS	2.00
EGL-490-20	English Independent Study 1		TBA		Staff		1.00
EGL-491-20	English Independent Study 2		TBA		Staff		1.00
EGL-492-20	English Independent Study 3		TBA		Staff		1.00
EGL-496-20	English Senior Thesis 1		TBA		Staff	HUL/WS	0.00
EGL-497-20	English Senior Thesis 2		TBA		Staff	HUL/WS	2.00

### Environmental Science & Policy

At the request of the Dept. Chair, students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

**THOSE REGISTERING FOR BIO-110-01 MUST REGISTER FOR RECITATION SECT 01 or 02; BIO-110-02 MUST REGISTER FOR RECITATION SECT 03 or 04.**

AAH-260-01	Nature, Art, & the Environment		KARP 105+	TTH 10:55AM 12:40PM	Matthew, L.		1.00
*BIO-110-01	Heredity Evolution Ecology	Y	LIPM 017+	MWF 09:15AM 10:20AM	Staff	SET	1.00
*BIO-110-02	Heredity Evolution Ecology	Y	OLIN 306+	MWF 11:45AM 12:50PM	Staff	SET	1.00
*BIO-110X-01	Heredity/Evol/Eco Recitation		OLIN 306+	TH 01:55PM 03:15PM	Staff		0.00
*BIO-110X-02	Heredity/Evol/Eco Recitation		OLIN 306+	TH 03:25PM 04:45PM	Staff		0.00
*BIO-110X-03	Heredity/Evol/Eco Recitation		OLIN 106+	M 01:50PM 03:10PM	Staff		0.00
*BIO-110X-04	Heredity/Evol/Eco Recitation		OLIN 106+	M 03:15PM 04:40PM	Staff		0.00
BIO-314-01	Ornithology W/Lab	Y	OLIN 204+	MWF 09:15AM 10:20AM	Bishop, J.		1.00
BIO-325-01	Animal Behavior W/Lab	Y	BAIL 201+	TTH 10:55AM 12:40PM	Fleishman, L.		1.00
BIO-350-01	Evolutionary Biology	Y	OLIN 106+	MWF 10:30AM 11:35AM	Yukilevich, R.		1.00
CHM-101-01	Intro Chemistry I W/Lab	Y	KARP 005+	MWF 09:15AM 10:20AM	Staff	SCLB	1.00
CHM-101-02	Intro Chemistry I W/Lab	Y	WLDC 225+	MWF 11:45AM 12:50PM	Staff	SCLB	1.00
CHM-101L-01	Intro Chemistry 1 Lab		OLIN 201	M 01:50PM 04:40PM	Staff		0.00
			OLIN 204+	M 01:50PM 04:40PM			
CHM-101L-02	Intro Chemistry 1 Lab		OLIN 201	T 09:00AM 11:50AM	Staff		0.00
			OLIN 204+	T 09:00AM 11:50AM			
CHM-101L-03	Intro Chemistry 1 Lab		OLIN 201	T 01:55PM 04:45PM	Staff		0.00
			OLIN 204+	T 01:55PM 04:45PM			
CHM-101L-04	Intro Chemistry 1 Lab		OLIN 201	W 01:50PM 04:40PM	Staff		0.00
			OLIN 204+	W 01:50PM 04:40PM			
CHM-102-01	Intro Chemistry 2 W/Lab	Y	OLIN 206+	MWF 09:15AM 10:20AM	Staff	SCLB	1.00
			OLIN 201	MWF 09:15AM 10:20AM			
CHM-102-02	Intro Chemistry 2 W/Lab	Y	OLIN 206+	MWF 11:45AM 12:50PM	Staff	SCLB	1.00
CHM-102L-01	Intro Chemistry 2 Lab		OLIN 201	TH 01:55PM 04:45PM	Staff		0.00
			OLIN 204+	TH 01:55PM 04:45PM			
CHM-102L-02	Intro Chemistry 2 Lab		OLIN 201	TH 09:00AM 11:50AM	Staff		0.00
			OLIN 204+	TH 09:00AM 11:50AM			
CHM-102L-03	Intro Chemistry 2 Lab		OLIN 201	F 01:50PM 04:40PM	Staff		0.00
			OLIN 204+	F 01:50PM 04:40PM			
CHM-231-01	Organic Chem 1 W/Lab	Y	OLIN 115+	MWF 09:15AM 10:20AM	Adrian, J.C.		1.00
			OLIN 115+	T 03:50PM 05:00PM			
CHM-231L-01	Organic Chem 1 Lab		SWSE 102	TH 09:00AM 12:50PM	Staff		0.00
			SWSE 109	TH 09:00AM 12:50PM			
CHM-231L-02	Organic Chem 1 Lab		SWSE 102	TH 01:55PM 05:45PM	Staff		0.00
			SWSE 109	TH 01:55PM 05:45PM			
CHM-231L-03	Organic Chem 1 Lab		SWSE 102	F 01:50PM 05:40PM	Staff		0.00
			SWSE 109	F 01:50PM 05:40PM			
CHM-231L-04	Organic Chem 1 Lab		SWSE 109	W 01:50PM 05:40PM	Staff		0.00
			SWSE 102	W 01:50PM 05:40PM			
CHM-245-01	Environmental Chemistry	Y	OLIN 206+	TTH 09:00AM 12:40PM	MacManus-Spencer, L.		1.00
			OLIN 207	TTH 09:00AM 12:40PM			
ECO-243-01	Intro to Econometrics	Y	LIPM 016+	MWF 01:50PM 02:55PM	Schmidt, S.J.	WAC	1.00
ENS-100-01	Intro to Environ Studies W/Lab	Y	LIPM 014+	MWF 11:45AM 12:50PM	Dosiek, S.	SCLB	1.00
ENS-100-01	Intro to Environ Studies W/Lab	Y	LIPM 014+	MWF 11:45AM 12:50PM	Dosiek, S.	SCLB	1.00
ENS-100L-01	Intro to Environ Studies Lab		OLIN 306+	M 01:50PM 04:40PM	Dosiek, S.		0.00
ENS-100L-02	Intro to Environ Studies Lab		OLIN 106+	W 01:50PM 04:40PM	Dosiek, S.		0.00
ENS-204-01	Geographic Info Systems W/Lab		WLDC 028+	TTH 09:00AM 10:45AM	Ghaly, A.	SET	1.00
ENS-204-01	Geographic Info Systems W/Lab		WLDC 028+	TTH 09:00AM 10:45AM	Ghaly, A.	SET	1.00
ENS-204L-01	Geographic Info Systems Lab		WLDC 028+	T 01:55PM 04:45PM	Ghaly, A.		0.00



Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
ENS-204L-02	Geographic Info Systems Lab		WLDC 028+	TH 01:55PM 04:45PM	Ghaly, A.		0.00
ENS-209-01	Renewable Energy Systems		WLDC 225+	MWF 10:30AM 11:35AM	Wilk, R.	SET	1.00
ENS-209-01	Renewable Energy Systems		WLDC 225+	MWF 10:30AM 11:35AM	Wilk, R.	SET	1.00
ENS-460-01	Sr Capstone- Environmt Studies		WLDC 010+	W 01:50PM 05:20PM	Verheyden, A.		1.00
ENS-460-01	Sr Capstone- Environmt Studies		WLDC 010+	W 01:50PM 05:20PM	Verheyden, A.		1.00
ENS-497-20	Senior Research in Env Sci		TBA		Staff	WS	1.00
ENS-497-20	Senior Research in Env Sci		TBA		Staff	WS	1.00
ENS-498-01	Environmental St Research 1		TBA		MacManus-Spencer, L.		0.00
ENS-498-01	Environmental St Research 1		TBA		MacManus-Spencer, L.		0.00
ENS-498-02	Environmental St Research 1		TBA		Corbin, J.		0.00
ENS-498-20	Environmental Stu Research 1		TBA		Staff		0.00
ENS-498-20	Environmental Stu Research 1		TBA		Staff		0.00
ENS-499-01	Environmental St Research 2		TBA		Klein, D.	WS	2.00
ENS-499-20	Environmental St Research 2		TBA		Staff	WS	2.00
ENS-499-20	Environmental St Research 2		TBA		Staff	WS	2.00
GEO-106-01	Intro to Oceanography	Y	OLIN 307+	MWF 11:45AM 12:50PM	Gillikin, D.	SCLB	1.00
GEO-106L-01	Intro to Oceanography Lab		OLIN 307+	M 01:00PM 04:45PM	Gillikin, D.		0.00
GEO-203-01	Lakes & Environ Change w/lab	Y	OLIN 306+	TTH 09:00AM 10:45AM	Rodbell, D.		1.00
GEO-206-01	Volcanology W/Lab	Y	OLIN 307+	MWF 09:15AM 10:20AM	Frey, H.		1.00
GEO-206L-01	Volcanology Lab		OLIN 307+	W 01:50PM 04:45PM	Frey, H.		0.00
MER-231-01	Thermodynamics 1		NWSE 205+	MWF 08:00AM 09:05AM	Wilk, R.		1.00
MER-231-02	Thermodynamics 1		NWSE 201+	MWF 11:45AM 12:50PM	Staff		1.00
MTH-110-01	Calculus 1		BAIL 201+	MWF 08:00AM 09:05AM	Staff	QMR	1.00
			BAIL 201+	T 08:00AM 08:50AM			
MTH-110-02	Calculus 1		BAIL 201+	MWF 09:15AM 10:20AM	Staff	QMR	1.00
			BAIL 201+	T 03:50PM 04:45PM			
MTH-112-01	Calculus 2		BAIL 100+	MWF 09:15AM 10:20AM	Staff	QMR	1.00
MTH-112-02	Calculus 2		BAIL 106	MWF 11:45AM 12:50PM	Staff	QMR	1.00
MTH-112-03	Calculus 2		BAIL 207+	MWF 01:50PM 02:55PM	Staff	QMR	1.00
MTH-112-04	Calculus 2		BAIL 106	TTH 09:00AM 10:45AM	Staff	QMR	1.00
PHY-111-01	Physics/Life Sciences 2 w/Lab		OLIN 106+	MWF 08:00AM 09:05AM	Maleki, S.		1.00
			OLIN 106+	T 08:00AM 08:50AM			
PHY-111L-01	Physics/Life Sciences 2 Lab		NWSE 304	T 09:00AM 11:50AM	Staff		0.00
PHY-111L-02	Physics/Life Sciences 2 Lab		NWSE 304	T 01:55PM 04:45PM	Staff		0.00
PHY-120-01	Matter in Motion W/Lab	Y	NWSE 300	MWF 08:00AM 09:05AM	Staff	SCLB	1.00
			NWSE 300	T 09:00AM 10:45AM			
PHY-120-02	Matter in Motion W/Lab	Y	NWSE 300	MWF 09:15AM 10:20AM	Staff	SCLB	1.00
			NWSE 300	T 10:55AM 12:40PM			
PHY-120-03	Matter in Motion W/Lab	Y	NWSE 300	MWF 11:45AM 12:50PM	Staff	SCLB	1.00
			NWSE 300	TH 10:55AM 12:40PM			
PHY-120-04	Matter in Motion W/Lab	Y	NWSE 300	MWF 01:50PM 02:55PM	Staff	SCLB	1.00
			NWSE 300	TH 01:55PM 03:40PM			
PHY-120-05	Matter in Motion W/Lab	Y	NWSE 300	MWF 03:05PM 04:10PM	Staff	SCLB	1.00
			NWSE 300	T 01:55PM 03:40PM			
PHY-120-06	Matter in Motion W/Lab	Y	NWSE 304	MWF 09:15AM 10:20AM	Staff	SCLB	1.00
			NWSE 300	TH 09:00AM 10:45AM			
PHY-121-01	Prin of Electromagntcs w/lab	Y	NWSE 304	MWF 08:00AM 09:05AM	Staff		1.00
			NWSE 304	TH 09:00AM 10:45AM			
PHY-122-01	Relativity-Quantum W/Lab		NWSE 304	MWF 11:45AM 12:50PM	Maleki, S.		1.00
PHY-122L-01	Relativity, Quantum Lab		NWSE 005	TH 09:00AM 11:50AM	Maleki, S.		0.00
PSC-273-01	Supreme Court&Judicial Politic		LIPM 012+	TTH 10:55AM 12:40PM	Hays, B.		1.00
PSC-277-01	Pol Internship-Capital Region		TBA		Brown, C.		1.00
PSY-200-01	Statistical Methods in Psych	Y	BAIL 300+	MWF 09:15AM 10:20AM	Stanhope, L.		1.00
PSY-200-02	Statistical Methods in Psych	Y	BAIL 300+	MWF 10:30AM 11:35AM	Hayes, D.		1.00
SOC-260-01	Population and Society		LIPM 012+	MWF 11:45AM 12:50PM	Grigsby, J.		1.00
SOC-450-01	Environmental Services&Policy	Y	TBA		Kaplan, I.	WAC	1.00

### Film Studies

AVA-120-01	Photography 1	Y	OLDC SEMI	TTH 09:00AM 12:20PM	Pamkowski, J.	HUM	1.00
AVA-160-01	Digital Art	Y	OLIN 110+	TTH 09:00AM 11:55AM	Orellana, F.	HUM	1.00
FLM-303-01	Cinematic Montage	Y	KARP 103+	TTH 10:55AM 12:40PM	de Seve, J.		1.00
FLM-340-01	Suspense! Making a Thriller		KARP 103+	TTH 01:55PM 03:40PM	de Seve, J.		1.00
FLM-490-20	Film Independent Study		TBA		Staff		1.00

### First Year Preceptorial

Preceptorial sections cannot be added or changed without permission of Kate Schurick; Reamer Campus Center 306C.

FPR-100-01	First-Year Preceptorial		LIPM 010+	MWF 10:30AM 11:35AM	Brennan, D.P.		1.00
FPR-100-02	First-Year Preceptorial		BREZ 106+	MWF 10:30AM 11:35AM	Bedford, P.		1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
FPR-100-03	First-Year Preceptorial		WLDC 028+	MWF 10:30AM 11:35AM	Calandra, N.		1.00
FPR-100-04	First-Year Preceptorial		LIPM 201+	MWF 10:30AM 11:35AM	Cidam, C.		1.00
FPR-100-05	First-Year Preceptorial		LIPM 200+	MWF 10:30AM 11:35AM	Cramsie, J.R.		1.00
FPR-100-06	First-Year Preceptorial		WOLD 109+	MWF 10:30AM 11:35AM	Duncan, C.		1.00
FPR-100-07	First-Year Preceptorial		KARP 103+	MWF 10:30AM 11:35AM	Garcia, W.		1.00
FPR-100-08	First-Year Preceptorial		SORM 111+	MWF 10:30AM 11:35AM	Gazzarri, T.		1.00
FPR-100-09	First-Year Preceptorial		BEUT 104+	MWF 10:30AM 11:35AM	Heinegg, P.		1.00
FPR-100-10	First-Year Preceptorial		STZH 106+	MWF 10:30AM 11:35AM	Mitchell, J.		1.00
FPR-100-11	First-Year Preceptorial		OLIN 211+	MWF 10:30AM 11:35AM	Rauci, S.		1.00
FPR-100-12	First-Year Preceptorial		KARP 008+	MWF 10:30AM 11:35AM	Sargent, J.		1.00
FPR-100-13	First-Year Preceptorial		LIPM 016+	MWF 10:30AM 11:35AM	Stablein, T.		1.00
			RCC AUD	MWF 10:30AM 11:35AM			
FPR-100-14	First-Year Preceptorial		LIPM 101+	MWF 10:30AM 11:35AM	Johnson, J.		1.00
FPR-100-15	First-Year Preceptorial		GOLB 105+	MWF 10:30AM 11:35AM	Watkins, S.		1.00
FPR-100-16	First-Year Preceptorial		LAMT 002	MWF 10:30AM 11:35AM	Wegter-Mcnelly, K.		1.00

## French

Before signing up for your first French course at Union, you must check with the Modern Languages Dept. in Karp Hall.

FRN-100-01	Basic French 1	Y	LIBR 222	MWF 09:15AM 10:20AM	Sartiaux, A.	HUM	1.00
FRN-101-01	Basic French 2		LIPM 010+	MWF 11:45AM 12:50PM	Moufflard, C.	LCCF/HUM	1.00
FRN-200-01	Intermediate French 1		KARP 008+	MWF 01:50PM 02:55PM	Moufflard, C.	LCCF/HUM	1.00
FRN-201-01	Intermediate French 2		LIPM 201+	MWF 11:45AM 12:50PM	Ndiaye, C.M.	LCCF/HUM	1.00
FRN-295H-20	French Honors Ind Project 1		TBA		Staff		0.00
FRN-296H-20	French Honors Ind Project 2		TBA		Staff		1.00
FRN-302-01	Survey of French Lit 2		KARP 002+	MW 03:05PM 04:45PM	Ndiaye, C.M.	HUL/LCCF	1.00
FRN-400-01	Whose Enlightenment?		KARP 200+	TTH 01:55PM 03:40PM	Chilcoat, A. M.	HUL/LCCF	1.00
FRN-489-01	French Senior Project		LIPM 201+	TTH 10:55AM 12:40PM	Batson, C.R.	WS	1.00
FRN-489-02	French Senior Project		TBA		Batson, C.R.	WS/LCCF	1.00
FRN-490-20	French Independent Study 1		TBA		Staff		1.00

## Gender, Sexuality & Women's Studies

ANT-184-01	Contemporary Japanese Society		KARP 006+	MWF 10:30AM 11:35AM	Matsue, J.M.	LCC/WAC	1.00
ANT-225-01	Gender & Society		KARP 004+	MWF 11:45AM 12:50PM	Khan, A.	LCC	1.00
EGL-225-01	The Bronte Sisters		KARP 005+	MWF 10:30AM 11:35AM	Goodman, L.	HUL/WAC	1.00
FRN-400-01	Whose Enlightenment?		KARP 200+	TTH 01:55PM 03:40PM	Chilcoat, A. M.	HUL/LCCF	1.00
GER-340-01	Retelling Fairy Tales		NWSE 222+	TTH 10:55AM 12:40PM	Nelson, E.	HUL/LCCG/WAC	1.00
GSW-100-01	Gender, Sexuality & Womens St		RCC 301+	TTH 01:55PM 03:40PM	Mazumder, R. Cox, L.		1.00
GSW-100-01	Gender, Sexuality & Womens St		RCC 301+	TTH 01:55PM 03:40PM	Mazumder, R. Cox, L.		1.00
GSW-295H-20	Gender Studies Honor Ind Proj 1		TBA		Staff		0.00
GSW-296H-20	Gender St Honor Ind Proj 2		TBA		Staff		1.00
GSW-490-20	Gender Studies Indep Study 1		TBA		Staff		1.00
GSW-495-02	Capstone: Antigone and Others	Y	LIPM 100+	TTH 10:55AM 12:40PM	Marso, L.J.	WAC	1.00
GSW-495-02	Capstone: Antigone and Others	Y	LIPM 100+	TTH 10:55AM 12:40PM	Marso, L.J.	WAC	1.00
HST-171-01	Europe & Americas:Columbus Era		LIPM 017+	TTH 01:55PM 03:40PM	Meade, T.	LCC/WAC	1.00
MLT-239-01	Retelling Fairy Tales		NWSE 222+	TTH 10:55AM 12:40PM	Nelson, E.	HUL/WAC	1.00
MLT-281-01	Identities in Latin Am Cinema		KARP 005+	MW 03:05PM 04:45PM	Garcia, W.	HUM/LCC	1.00
PHL-263-01	Issues in Feminism		KARP 004+	MWF 09:15AM 10:20AM	Tullman, K.	HUM	1.00
PSC-235-01	African-Amer Political Thought		LIPM 201+	TTH 01:55PM 03:40PM	Marso, L.J.		1.00
PSC-266-01	Women & Politics		RCC 301+	TTH 09:00AM 10:45AM	Oxley, Z.M.		1.00
PSC-339-01	Seminar: Political Theory	Y	LIPM 100+	TTH 10:55AM 12:40PM	Marso, L.J.	WAC	1.00
PSY-245-01	Gender Roles	Y	BAIL 300+	MWF 11:45AM 12:50PM	Donaldson, G.		1.00
SOC-205-01	Social Work & Human Services		KARP 001+	TTH 01:55PM 03:40PM	Staff		1.00
SOC-284-01	Soc of Women & Health		LIPM 012+	MWF 01:50PM 02:55PM	Grigsby, J.		1.00
SPN-328-01	Inquiring Identities		KARP 001+	MWF 11:45AM 12:50PM	Osuna, M.	LCCS/HUM/WAC	1.00
SPN-330-01	Mexican Women's Cont Short Fic		LIPM 012+	MW 03:05PM 04:45PM	Martinez, V.	LCCS/HUL/WAC	1.00
SPN-417-01	Death & Revenge in South Cone		KARP 006+	MWF 11:45AM 12:50PM	Martinez, V.	LCCS/HUL/WAC/S	1.00

## Geology

At the request of the Dept. Chair; students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

GEO-106-01	Intro to Oceanography	Y	OLIN 307+	MWF 11:45AM 12:50PM	Gillikin, D.	SCLB	1.00
GEO-106L-01	Intro to Oceanography Lab		OLIN 307+	M 01:00PM 04:45PM	Gillikin, D.		0.00
GEO-203-01	Lakes & Environ Change w/lab	Y	OLIN 306+	TTH 09:00AM 10:45AM	Rodbell, D.		1.00
GEO-203L-01	Lakes & Env Change Lab		OLIN 306+	T 01:00PM 04:45PM	Rodbell, D.		0.00
GEO-205-01	Active Tectonics	Y	OLIN 307+	MWF 10:30AM 11:35AM	Garver, J. I.		1.00
GEO-206-01	Volcanology W/Lab	Y	OLIN 307+	MWF 09:15AM 10:20AM	Frey, H.		1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
GEO-206L-01	Volcanology Lab		OLIN 307+	W 01:50PM 04:45PM	Frey, H.		0.00
GEO-220-01	Mineral Science W/Lab	Y	OLIN 307+	TTH 10:55AM 12:40PM	Hollocher, K.		1.00
GEO-220L-01	Mineral Science Lab		OLIN 307+	TH 01:55PM 04:45PM	Hollocher, K.		0.00
GEO-295H-01	Geology Honors Ind Project 1		TBA		Gillikin, D.		0.00
GEO-303-01	Geophysics W/Lab	Y	OLIN 332+	MWF 11:45AM 12:50PM	Manon, M.		1.00
GEO-303L-01	Geophysics Lab		OLIN 307+	T 01:55PM 04:45PM	Manon, M.		0.00
GEO-405-01	Geology Senior Seminar	Y	OLIN 211+	M 01:50PM 05:20PM	Frey, H.		1.00
					Manon, M.		
GEO-490-01	Geology Independent Study 1		TBA		Garver, J. I.		1.00
GEO-490-02	Geology Independent Study 1		TBA		Gillikin, D.		1.00
GEO-495-02	Thesis Research in Geology 1		TBA		Garver, J. I.		0.00
GEO-495-20	Thesis Research in Geology 1		TBA		Staff		0.00
GEO-496-01	Thesis Research in Geology 2		TBA		Frey, H.	WS	2.00
GEO-496-02	Thesis Research in Geology 2		TBA		Manon, M.	WS	2.00
GEO-496-03	Thesis Research in Geology 2		TBA		Garver, J. I.	WS	2.00
GEO-496-04	Thesis Research in Geology 2		TBA		Rodbell, D.	WS	2.00
GEO-496-05	Thesis Research in Geology 2		TBA		Gillikin, D.	WS	2.00
GEO-496-20	Thesis Research in Geology 2		TBA		Staff	WS	2.00

### German

Before signing up for your first German course at Union, you must check with the Modern Languages Dept. in Karp Hall.

GER-101-01	Basic German 2		OLIN 211+	MWF 11:45AM 12:50PM	Ricci Bell, M.	LCCG	1.00
GER-201-01	Intermediate German 2		NWSE 222+	TTH 09:00AM 10:45AM	Nelson, E.	LCCG	1.00
GER-295H-20	German Honors Ind Project 1		TBA		Staff		0.00
GER-296H-20	German Honors Ind Project 2		TBA		Staff		1.00
GER-340-01	Retelling Fairy Tales		NWSE 222+	TTH 10:55AM 12:40PM	Nelson, E.	HUL/LCCG/WAC	1.00
GER-489-01	German Senior Project		TBA		Nelson, E.	WS/LCCG	1.00
GER-490-01	German Independent Study 1		TBA		Ricci Bell, M.		1.00
GER-490-20	German Independent Study 1		TBA		Staff		1.00

### Greek

GRK-101-01	Principles of Greek 1		LIPM 012+	MWF 09:15AM 10:20AM	Gazzarri, T.	HUM	1.00
GRK-235-01	Plato		NWSE 222+	MWF 11:45AM 12:50PM	Mueller, H.	HUL/LCC/WAC	1.00

### Hebrew

Before signing up for your first Hebrew course at Union, you must check with the Modern Languages Dept. in Karp Hall.

HEB-101-01	Basic Hebrew 2		BEUT 104+	MWF 11:45AM 12:50PM	Almog, M.	LCCH	1.00
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### Hebrew - Classical

HBR-112-01	Biblical Hebrew 2		TBA		Bedford, P.	LCCB	1.00
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### History

HST-108-01	Africa Since 1800		LIPM 017+	TTH 10:55AM 12:40PM	Peterson, B.	LCC	1.00
HST-120-01	Emergence of Modern America		KARP 005+	MWF 11:45AM 12:50PM	Morris, A.J.		1.00
HST-132-01	African-American History 2		LIPM 017+	MWF 08:00AM 09:05AM	Aslakson, K.	LCC	1.00
HST-171-01	Europe & Americas: Columbus Era		LIPM 017+	TTH 01:55PM 03:40PM	Meade, T.	LCC/WAC	1.00
HST-181-01	Confucians & Conquerors		KARP 001+	MWF 10:30AM 11:35AM	Madancy, J.	LCC	1.00
HST-226-01	A Novel View of US History		LIPM 101+	MWF 01:50PM 02:55PM	Brennan, D.P.	WAC	1.00
HST-288-01	Bombay to Mumbai		STZH 106+	MWF 01:50PM 02:55PM	Mazumder, R.	LCC	1.00
HST-295-01	History of Medicine		KARP 004+	TTH 10:55AM 12:40PM	Singy, P.	WAC	1.00
HST-295H-01	History Honors Ind Project 1		TBA		Walker, M.		0.00
HST-295H-20	History Honors Ind Project 1		TBA		Staff		0.00
HST-296H-20	History Honors Ind Project 2		TBA		Staff		1.00
HST-304-01	Cold War in Africa	Y	KARP 008+	TTH 01:55PM 03:40PM	Peterson, B.	LCC	1.00
HST-325-01	War in American Memory	Y	LIPM 101+	TTH 10:55AM 12:40PM	Lawson, M.		1.00
HST-366-01	British Cinema	Y	KARP 006+	MW 03:05PM 04:45PM	Cramsie, J.R.	WAC	1.00
HST-414-01	Lincoln: Politician, Pop Icon	Y	RCC 301+	MW 03:05PM 04:45PM	Foroughi, A.R.	WAC	1.00
HST-490-20	History Independent Study 1		TBA		Staff		1.00
HST-498-20	History Senior Thesis 1		TBA		Staff		0.00
HST-499-01	History Senior Thesis 2		TBA		Feffer, A.	WS	2.00
HST-499-02	History Senior Thesis 2		TBA		Walker, M.	WS	2.00
HST-499-03	History Senior Thesis 2		TBA		Aslakson, K.	WS	2.00
HST-499-04	History Senior Thesis 2		TBA		Morris, A.J.	WS	2.00
HST-499-05	History Senior Thesis 2		TBA		Peterson, B.	WS	2.00
HST-499-06	History Senior Thesis 2		TBA		Madancy, J.	WS	2.00
HST-499-07	History Senior Thesis 2		TBA		Lawson, M.	WS	2.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
HST-499-20	History Senior Thesis 2		TBA		Staff	WS	2.00
<b>Integrated Math/Physics</b>							
IMP-120-01	Int Math/Physics 1 W/Lab	Y	NWSE 112+ NWSE 112+ NWSE 112+	MWF MWF T	11:45AM 12:50PM 01:50PM 02:55PM 10:50AM 12:40PM	Vineyard, M.F.	QMR/SCLB 2.00
<b>Interdepartmental</b>							
IDM-487-01	Double Major Thesis 1		TBA		Dell'Aera, A.		0.00
IDM-488-01	Double Major Thesis 2		TBA		Wareh, P.		2.00
IDM-488-02	Double Major Thesis 2		TBA		Foroughi, A.R.		2.00
IDM-488-03	Double Major Thesis 2		TBA		Donaldson, G.		2.00
IDM-488-04	Double Major Thesis 2		TBA		Wareh, P.		2.00
IDM-488-05	Double Major Thesis 2		TBA		Brown, C.		2.00
IDM-488-06	Double Major Thesis 2		TBA		Toher, M.		2.00
IDM-488-07	Double Major Thesis 2		TBA		Stablein, T.		2.00
IDM-488-08	Double Major Thesis 2		TBA		DeBono, K.		2.00
IDM-488-09	Double Major Thesis 2		TBA		Romero, S.G.		2.00
IDM-488-10	Double Major Thesis 2		TBA		Striegnitz, K.		2.00
IDM-488-11	Double Major Thesis 2		TBA		Gustafson, S.		2.00
IDM-488-12	Double Major Thesis 2		TBA		Klein, D.		2.00
IDM-488-13	Double Major Thesis 2		TBA		Marso, L.J.		2.00
IDM-488-14	Double Major Thesis 2		TBA		Wareh, P.		2.00
IDM-488-20	Double Major Thesis 2		TBA		Dallas, M.		2.00
IDM-489-01	Double Major Thesis 3		TBA		Hislope, R.		2.00
IDM-498-01	Interdepartmental Sr Thesis 1		TBA		Bidoshi, K.A.		2.00
IDM-498-02	Interdepartmental Sr Thesis 1		TBA		Osborn, M.		2.00
IDM-498-20	Interdepartmental Sr Thesis 1		TBA		Lobe, T.		2.00
IDM-499-01	Interdepartmental Sr Thesis 2		TBA		Bidoshi, K.A.		2.00
IDM-499-02	Interdepartmental Sr Thesis 2		TBA		Motahar, E.		2.00
IDM-499-03	Interdepartmental Sr Thesis 2		TBA		Sanders, G.		2.00
IDM-499-04	Interdepartmental Sr Thesis 2		TBA		Schmidt, S.S.		2.00
IDM-499-05	Interdepartmental Sr Thesis 2		TBA		Madancy, J.		2.00
IDM-499-06	Interdepartmental Sr Thesis 2		TBA		Webb, N.		2.00
IDM-499-07	Interdepartmental Sr Thesis 2		TBA		Jauregui, J.		2.00
IDM-499-08	Interdepartmental Sr Thesis 2		TBA		Mann, N.		2.00
IDM-499-09	Interdepartmental Sr Thesis 2		TBA		Staff		2.00
IDM-499-10	Interdepartmental Sr Thesis 2		TBA		Raucci, S.	WS	1.00
IDM-499-11	Interdepartmental Sr Thesis 2		TBA		Samet, R.		2.00
IDM-499-12	Interdepartmental Sr Thesis 2		TBA		Brown, C.		2.00
IDM-499-13	Interdepartmental Sr Thesis 2		TBA		Osborn, M.		2.00
IDM-499-14	Interdepartmental Sr Thesis 2		TBA		Goldner, M.A.		2.00
IDM-499-15	Interdepartmental Sr Thesis 2		TBA		Staff		0.00
IDM-499-16	Interdepartmental Sr Thesis 2		TBA		Wareh, P.	WS	2.00
IDM-499-17	Interdepartmental Sr Thesis 2		TBA		Donaldson, G.		2.00
IDM-499-18	Interdepartmental Sr Thesis 2		TBA		Hays, B.	WS	2.00
IDM-499-19	Interdepartmental Sr Thesis 2		TBA		Witsoe, J.		2.00
IDM-499-20	Interdepartmental Sr Thesis 2		TBA		Marso, L.J.	WS	2.00
IDM-499-21	Interdepartmental Sr Thesis 2		TBA		Dallas, M.	WS	2.00
IDM-499-22	Interdepartmental Sr Thesis 2		TBA		Motahar, E.		2.00
IDM-499-23	Interdepartmental Sr Thesis 2		TBA		Angrist, M.P.	WS	2.00
IDM-499-24	Interdepartmental Sr Thesis 2		TBA		Davis, L.S.	WS	2.00
IDM-499-25	Interdepartmental Sr Thesis 2		TBA		Dallas, M.		2.00
IDM-499-26	Interdepartmental Sr Thesis 2		TBA		Cidam, C.	WS	2.00
IDM-499-27	Interdepartmental Sr Thesis 2		TBA		Hays, B.	WS	2.00
IDM-499-28	Interdepartmental Sr Thesis 2		TBA		Yaisawarnng, S.		2.00
IDM-499-29	Interdepartmental Sr Thesis 2		TBA		Meade, T.	WS	2.00
IDM-499-30	Interdepartmental Sr Thesis 2		TBA		Marso, L.J.		2.00
IDM-499-31	Interdepartmental Sr Thesis 2		TBA		Seri, G.	WS	2.00
IDM-499-32	Interdepartmental Sr Thesis 2		TBA		Hislope, R.	WS	2.00
IDM-499-33	Interdepartmental Sr Thesis 2		TBA		Stablein, T.		2.00
IDM-499-34	Interdepartmental Sr Thesis 2		TBA		Osborn, M.	WS	2.00
IDM-499-35	Interdepartmental Sr Thesis 2		TBA		Lobe, T.		2.00
IDM-499-36	Interdepartmental Sr Thesis 2		TBA		Fernandes, C.	WS	2.00
IDM-499-37	Interdepartmental Sr Thesis 2		TBA		Horton, J. S.		2.00
IDM-499-38	Interdepartmental Sr Thesis 2		TBA		Gao, J.	WS	2.00
IDM-499-39	Interdepartmental Sr Thesis 2		TBA		Dallas, M.		2.00
IDM-499-40	Interdepartmental Sr Thesis 2		TBA		Anderson, M.	WS	2.00
IDM-499-41	Interdepartmental Sr Thesis 2		TBA		Fried, H.		2.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
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**Interdisciplinary**

\*Application required for ISC-080 and is available in OLIN-209.

*ISC-080-01	Hospital Health Care Practicum	Y	LIPM 201+	TH	09:00AM 10:45AM	Beaton, R.	WAC	1.00
ISC-490-01	Interdisciplinary Ind Study 1		TBA			Fried, H.		1.00

**Japanese**

Before signing up for your first Japanese course at Union, you must check with the Modern Languages Dept. in Karp Hall.

JPN-100-01	Basic Japanese 1		WLDC 028+	MWF	09:15AM 10:20AM	Vassil, K.		1.00
JPN-100-02	Basic Japanese 1		WLDC 028+	MWF	11:45AM 12:50PM	Vassil, K.		1.00
JPN-100-03	Basic Japanese 1		LIPM 010+	MWF	09:15AM 10:20AM	Lafave, S.	HUM	1.00
JPN-200-01	Intermediate Japanese 1		WLDC 028+	MWF	03:05PM 04:10PM	Lafave, S.	LCCJ	1.00
JPN-295H-20	Japanese Honors Ind Project 1		TBA			Staff		0.00
JPN-296H-20	Japanese Honors Ind Project 2		TBA			Staff	HUM	1.00
JPN-300-01	Advanced Inter Japanese 1		WLDC 028+	MWF	01:50PM 02:55PM	Lafave, S.	LCCJ	1.00

**Latin**

LAT-102-01	Principles of Latin 2		OLIN 204+	MWF	11:45AM 12:50PM	Raucci, S.	LCCL	1.00
LAT-102-02	Principles of Latin 2		LIPM 010+	MWF	01:50PM 02:55PM	Raucci, S.	LCCL	1.00
LAT-230-01	Catullus & Horace		LAMT 002	TTH	01:55PM 03:40PM	Toher, M.	HUL/LCC/WAC	1.00
LAT-490-20	Latin Independent Study 1		TBA			Staff		1.00
LAT-497-20	Latin Senior Project		TBA			Staff	WS	1.00
LAT-498-20	Latin Senior Thesis 1		TBA			Staff		0.00
LAT-499-01	Latin Senior Thesis 2		TBA			Raucci, S.	WS	2.00
LAT-499-20	Latin Senior Thesis 2		TBA			Staff	WS	2.00

**Latin American/Caribbean Studies**

HST-171-01	Europe & Americas:Columbus Era		LIPM 017+	TTH	01:55PM 03:40PM	Meade, T.	LCC/WAC	1.00
MLT-281-01	Identities in Latin Am Cinema		KARP 005+	MW	03:05PM 04:45PM	Garcia, W.	HUM/LCC	1.00
SPN-328-01	Inquiring Identities		KARP 001+	MWF	11:45AM 12:50PM	Osuna, M.	LCCS/HUM/WAC	1.00
SPN-330-01	Mexican Women's Cont Short Fic		LIPM 012+	MW	03:05PM 04:45PM	Martinez, V.	LCCS/HUL/WAC	1.00
SPN-417-01	Death & Revenge in South Cone		KARP 006+	MWF	11:45AM 12:50PM	Martinez, V.	LCCS/HUL/WAC/S	1.00

**Mathematics**

At the request of the Dept. Chair; students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

MTH-056-01	History of Mathematics		BAIL 100+	MWF	03:05PM 04:10PM	Staff	QMR	1.00
MTH-101-01	Calculus with Precalc 2		BAIL 102	MWF	09:15AM 10:20AM	Staff	QMR	1.00
			BAIL 100	T	08:00AM 08:50AM			
MTH-101-02	Calculus with Precalc 2		BAIL 102+	MWF	11:45AM 12:50PM	Staff	QMR	1.00
			BAIL 100	T	03:50PM 04:45PM			
MTH-101-03	Calculus with Precalc 2		BAIL 102+	MWF	01:50PM 02:55PM	Staff	QMR	1.00
			BAIL 102+	T	03:50PM 04:45PM			
MTH-110-01	Calculus 1		BAIL 201+	MWF	08:00AM 09:05AM	Staff	QMR	1.00
			BAIL 201+	T	08:00AM 08:50AM			
MTH-110-02	Calculus 1		BAIL 201+	MWF	09:15AM 10:20AM	Staff	QMR	1.00
			BAIL 201+	T	03:50PM 04:45PM			
MTH-112-01	Calculus 2		BAIL 100+	MWF	09:15AM 10:20AM	Staff	QMR	1.00
MTH-112-02	Calculus 2		BAIL 106	MWF	11:45AM 12:50PM	Staff	QMR	1.00
MTH-112-03	Calculus 2		BAIL 207+	MWF	01:50PM 02:55PM	Staff	QMR	1.00
MTH-112-04	Calculus 2		BAIL 106	TTH	09:00AM 10:45AM	Staff	QMR	1.00
MTH-115-01	Calculus 3		BAIL 207+	MWF	09:15AM 10:20AM	Staff		1.00
MTH-115-02	Calculus 3		BAIL 207+	MWF	10:30AM 11:35AM	Staff		1.00
MTH-115-03	Calculus 3		BAIL 104+	MWF	11:45AM 12:50PM	Staff		1.00
MTH-117-01	Calculus 4:Integral Vector		BAIL 207+	MWF	08:00AM 09:05AM	Staff		1.00
MTH-117-02	Calculus 4:Integral Vector	Y	BAIL 201+	MWF	11:45AM 12:50PM	Staff		1.00
MTH-128-01	Probability		BAIL 106	MWF	10:30AM 11:35AM	Staff		1.00
MTH-130-01	Ordinary Differential Equation	Y	BAIL 207+	MWF	11:45AM 12:50PM	Staff		1.00
			BAIL 207+	T	08:00AM 08:50AM			
MTH-197-01	Discrete Math for Computer Sci	Y	BAIL 104+	MWF	10:30AM 11:35AM	Staff	QMR	1.00
MTH-199-01	Intro to Logic & Set Theory	Y	BAIL 100+	MWF	10:30AM 11:35AM	Staff	WAC	1.00
MTH-221-01	Mathematical Cryptology		WLDC 128+	MWF	10:30AM 11:35AM	Staff		1.00
MTH-234-01	Differential Equations		BAIL 104+	MWF	01:50PM 02:55PM	Staff		1.00
MTH-295H-20	Math Honors Ind Project 1		TBA			Staff		0.00
MTH-296H-20	Math Honors Ind Project 2		TBA			Staff		1.00
MTH-340-01	Linear Algebra		BAIL 106	MWF	09:15AM 10:20AM	Staff		1.00
MTH-448-01	Differential Geometry		KARP 105+	MWF	11:45AM 12:50PM	Staff		1.00
MTH-490-20	Math Independent Study 1		TBA			Staff		1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
MTH-497-01	Math Senior Thesis		TBA		Taylor, A.	WS	1.00
MTH-497-02	Math Senior Thesis		TBA		Wang, J.	WS	1.00
MTH-497-20	Math Senior Thesis		TBA		Staff	WS	1.00
MTH-498-01	Mathematics Senior Thesis 1		TBA		Rosenthal, K.		0.00
MTH-498-02	Mathematics Senior Thesis 1		TBA		Lesh, K.		0.00
MTH-498-20	Mathematics Senior Thesis 1		TBA		Staff		0.00
MTH-499-01	Mathematics Senior Thesis 2		TBA		Jauregui, J.	WS	2.00
MTH-499-02	Mathematics Senior Thesis 2		TBA		Wang, J.	WS	2.00
MTH-499-20	Mathematics Senior Thesis 2		TBA		Staff	WS	2.00

### Mechanical Engineering

At the request of the Dept. Chair, students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

\*If registering for MER-010 as a Senior you are required to register for the co-requisite of MER-497, 498, or 499 as well.

*MER-010-01	Senior Seminar		OLIN 115+	F	12:50PM 01:50PM	Staff		0.00
MER-101-01	Engineering Graphics w/Lab	Y	NWSE 205+	MWF	09:15AM 10:20AM	Tchako, A.	SET	1.00
			NWSE 201+	T	09:00AM 11:50AM			
MER-101-02	Engineering Graphics w/Lab	Y	NWSE 205+	MWF	01:50PM 02:55PM	Tchako, A.	SET	1.00
			NWSE 201+	T	01:55PM 04:45PM			
MER-201-01	Statics	Y	WLDC 128+	MWF	01:50PM 02:55PM	Wicks, F.		1.00
MER-212-01	Dynamics		NWSE 201+	MWF	01:50PM 02:55PM	Keat, W.D.		1.00
			NWSE 201+	TH	09:00AM 10:45AM			
MER-213-01	Material Science w/Lab		NWSE 201+	MWF	09:15AM 10:20AM	Kuppers, J.		1.00
MER-213L-01	Material Science Lab	Y	BUTR 206	T	09:00AM 11:50AM	Kuppers, J.		0.00
MER-213L-02	Material Science Lab	Y	BUTR 206	T	01:55PM 04:45PM	Kuppers, J.		0.00
MER-214-01	Strength of Materials w/Lab		NWSE 201+	MWF	03:05PM 04:10PM	Kuppers, J.	WAC	1.00
MER-214L-01	Strength of Materials Lab	Y	BUTR 206	TH	09:00AM 11:50AM	Bucinell, R.		0.00
MER-214L-02	Strength of Materials Lab	Y	BUTR 206	TH	01:55PM 04:45PM	Bucinell, R.		0.00
MER-231-01	Thermodynamics 1		NWSE 205+	MWF	08:00AM 09:05AM	Wilk, R.		1.00
MER-231-02	Thermodynamics 1		NWSE 201+	MWF	11:45AM 12:50PM	Staff		1.00
MER-232-01	Thermodynamics 2	Y	NWSE 201+	MWF	08:00AM 09:05AM	Wicks, F.		1.00
MER-295H-01	Mech Eng Honors Ind Project 1		TBA			Bruno, B.		0.00
MER-295H-02	Mech Eng Honors Ind Project 1		TBA			Cortez, R.		0.00
MER-295H-03	Mech Eng Honors Ind Project 1		TBA			Wilk, R.		0.00
MER-295H-20	Mech Eng Honors Ind Project 1		TBA			Staff		0.00
MER-296H-01	Mech Eng Honors Ind Project 2		TBA			Bruno, B.		1.00
MER-296H-20	Mech Eng Honors Ind Project 2		TBA			Staff		1.00
MER-311-01	Advanced Mechanics	Y	NWSE 222+	MWF	01:50PM 02:55PM	Ramasubramanian, A.		1.00
MER-312-01	Dynamics & Kinematics w/Lab	Y	NWSE 205+	MWF	03:05PM 04:45PM	Bucinell, R.		1.00
MER-331-01	Fluid Mechanics 1 W/Lab		NWSE 201+	MWF	10:30AM 11:35AM	Vanderover, J.	WAC	1.00
MER-331L-01	Fluid Mechanics Lab	Y	NWSE 208	T	09:00AM 11:50AM	Vanderover, J.		0.00
MER-331L-02	Fluid Mechanics Lab	Y	NWSE 208	T	01:55PM 04:45PM	Vanderover, J.		0.00
MER-333-01	Heat Transfer Analysis W/Lab		NWSE 205+	MWF	10:30AM 11:35AM	Bruno, B.		1.00
MER-333L-01	Heat Transfer Analysis Lab	Y	NWSE 208	TH	09:00AM 11:50AM	Bruno, B.		0.00
MER-333L-02	Heat Transfer Analysis Lab	Y	NWSE 208	TH	01:55PM 04:45PM	Bruno, B.		0.00
MER-354-01	Advanced Materials W/Lab	Y	NWSE 205+	MWF	11:45AM 12:50PM	Cortez, R.		1.00
			NWSE 201+	TH	01:55PM 04:45PM			
MER-419-01	Design of Mechanical Systems	Y	NWSE 205+	TTH	01:55PM 04:45PM	Rapoff, A.J.		1.00
MER-421-01	Mechatronics Design	Y	NWSE 205+	TTH	09:00AM 10:45AM	Hodgson, D.		1.00
MER-439-01	Thermal/Fluid Sys Design	Y	NWSE 205+	TTH	10:55AM 12:40PM	Anderson, A.M.		1.00
MER-490-01	Mech Engr Ind Study		TBA			Vanderover, J.		1.00
MER-490-02	Mech Engr Ind Study		TBA			Wicks, F.		1.00
MER-490-20	Mech Engr Ind Study		TBA			Staff		1.00
MER-491-01	Mech Engr Practicum 1	Y	TBA			Ramasubramanian, A.		0.00
MER-491-02	Mech Engr Practicum 1	Y	TBA			Tchako, A.		0.00
MER-491-20	Mech Engr Practicum 1	Y	TBA			Staff		0.00
MER-492-01	Mech Engr Practicum 2	Y	TBA			Ramasubramanian, A.		0.00
MER-492-02	Mech Engr Practicum 2	Y	TBA			Bucinell, R.		0.00
MER-492-20	Mech Engr Practicum 2	Y	TBA			Staff		0.00
MER-493-20	Mech Engr Practicum 3	Y	TBA			Staff		1.00
MER-495-20	Senior Design Practicum 2		TBA			Staff		0.00
MER-496-20	Senior Design Practicum 3		TBA			Staff		1.00
MER-497-01	Mech Engr Senior Project 1		TBA			Bruno, B.	WS	1.00
MER-497-20	Mech Engr Senior Project 1		TBA			Staff	WS	1.00
MER-498-01	Mech Engr Senior Project 2		TBA			Wilk, R.	WS	1.00
MER-498-02	Mech Engr Senior Project 2		TBA			Sanders, G.	WS	1.00
MER-498-03	Mech Engr Senior Project 2		TBA			Keat, W.D.	WS	1.00
MER-498-04	Mech Engr Senior Project 2		TBA			Anderson, A.M.	WS	1.00
MER-498-05	Mech Engr Senior Project 2		TBA			Wicks, F.	WS	1.00
MER-498-06	Mech Engr Senior Project 2		TBA			Tchako, A.	WS	1.00
MER-498-07	Mech Engr Senior Project 2		TBA			Bucinell, R.	WS	1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
MER-498-08	Mech Engr Senior Project 2		TBA		Rapoff, A.J.	WS	1.00
MER-498-09	Mech Engr Senior Project 2		TBA		Ramasubramanian, A.	WS	1.00
MER-498-10	Mech Engr Senior Project 2		TBA		Cortez, R.	WS	1.00
MER-498-11	Mech Engr Senior Project 2		TBA		Hodgson, D.	WS	1.00
MER-498-20	Mech Engr Senior Project 2		TBA		Staff	WS	1.00
MER-499-20	Mech Engr Senior Project 3		TBA		Staff		1.00

### Modern Languages & Literatures

MLL-490-01	Academic Training Practicum 1		TBA		Sartiaux, A.		0.00
MLL-491-01	Academic Training Practicum 2		TBA		Sartiaux, A.		0.00

### Modern Literature in Translation

MLT-201-01	Chinese Cinema		KARP 004+	MW	03:05PM 04:45PM	Zhang, Z.	LCC/HUM/WAC	1.00
MLT-239-01	Retelling Fairy Tales		NWSE 222+	TTH	10:55AM 12:40PM	Nelson, E.	HUL/WAC	1.00
MLT-281-01	Identities in Latin Am Cinema		KARP 005+	MW	03:05PM 04:45PM	Garcia, W.	HUM/LCC	1.00

### Music

AMU-010-01	Pract: Piano (Dunne)		TBA			Cox, J.		0.00
AMU-010-02	Pract: Piano (MacFarland)		TBA			Cox, J.		0.00
AMU-010-03	Pract: Organ		TBA			McMullen, D.		0.00
AMU-010-04	Pract: Harpsichord		TBA			Cox, J.		0.00
AMU-010-05	Pract: Voice (Cox)		TBA			Cox, J.		0.00
AMU-010-06	Pract: Voice (Salon)		TBA			Cox, J.		0.00
AMU-010-07	Pract: Flute		TBA			Cox, J.		0.00
AMU-010-08	Pract: Oboe		TBA			Cox, J.		0.00
AMU-010-09	Pract: Clarinet		TBA			Cox, J.		0.00
AMU-010-10	Pract: Bassoon		TBA			Cox, J.		0.00
AMU-010-11	Pract: Saxophone		TBA			Cox, J.		0.00
AMU-010-12	Pract: French Horn		TBA			Cox, J.		0.00
AMU-010-13	Pract: Trumpet		TBA			Cox, J.		0.00
AMU-010-14	Pract: Trombone		TBA			Cox, J.		0.00
AMU-010-15	Pract: Tuba		TBA			Cox, J.		0.00
AMU-010-16	Pract: Percussion		TBA			Cox, J.		0.00
AMU-010-17	Pract: Violin		TBA			Cox, J.		0.00
AMU-010-18	Pract: Viola		TBA			Cox, J.		0.00
AMU-010-19	Pract: Cello		TBA			Cox, J.		0.00
AMU-010-20	Pract: Double Bass		TBA			Cox, J.		0.00
AMU-010-21	Pract: Harp		TBA			Cox, J.		0.00
AMU-010-22	Pract: Mandolin		TBA			Cox, J.		0.00
AMU-010-23	Pract: Bass/Guitar		TBA			Cox, J.		0.00
AMU-010-24	Pract: Guitar (Acoustic)		TBA			Cox, J.		0.00
AMU-010-25	Pract: World Music		TBA			Matsue, J.M.		0.00
AMU-010-26	Pract: Jazz Piano (Olsen)		TBA			Olsen, T.		0.00
AMU-010-27	Pract: Piano (Thomas)		TBA			Cox, J.		0.00
AMU-010-28	Pract: Gospel Music (Walters)		TBA			Cox, J.		0.00
AMU-011-01	Chamber Music Practicum		TBA			Cox, J.		0.00
AMU-012-01	Taiko Ensemble Practicum	Y	TMC 103	TH	07:00PM 09:00PM	Matsue, J.M.		0.00
AMU-014-01	Union College Chorale		TMC 120+	TW	05:00PM 06:00PM	Cox, J.		0.00
AMU-015-01	Jazz Ensemble Practicum		TMC 120+	W	07:00PM 09:00PM	Olsen, T.		0.00
AMU-017-01	Orchestra Practicum		MEMC 1	T	07:00PM 09:00PM	Cox, J.		0.00
AMU-018-01	Early Music Ensemble Practicum		TMC 205	TBA	TBA	McMullen, D.		0.00
AMU-060-01	From Chant to Mozart		TMC 224+	MWF	11:45AM 12:50PM	McMullen, D.	HUM/WAC	1.00
AMU-101-01	Theory 1: Diatonic Harmony		TMC 122	TTH	10:55AM 12:40PM	Tann, H.	HUM	1.00
			TMC 224+	TTH	10:55AM 12:40PM			
AMU-131-01	Music of Black America		TMC 120+	MWF	01:50PM 02:55PM	Olsen, T.	LCC/HUM/WAC	1.00
AMU-200-01	Theory 3: Phrase & Form		TMC 224+	MW	03:05PM 04:45PM	Tann, H.	HUM	1.00
AMU-212-01	Baroque Music	Y	TMC 224+	MWF	10:30AM 11:35AM	McMullen, D.	HUM/WAC	1.00
AMU-295H-20	Music Honors Ind Project 1		TBA			Staff		0.00
AMU-296H-20	Music Honors Ind Project 2		TBA			Staff		1.00
AMU-490-20	Music Ind Study 1		TBA			Staff		1.00
AMU-497-20	One-Term Senior Project		TBA			Staff		1.00
AMU-498-01	Music Senior Project 1		TBA			Tann, H.		0.00
AMU-498-20	Music Senior Project 1		TBA			Staff		0.00
AMU-499-20	Music Senior Project 2		TBA			Staff	WS	2.00

### Organizing Theme

ORT-295H-20	Seward Fellows Ind Project 1		TBA			Staff		0.00
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Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
ORT-296H-01	Seward Fellows Ind Project 2		TBA		Wimer, S.		1.00
ORT-296H-02	Seward Fellows Ind Project 2				Bedford, P.		1.00
ORT-296H-20	Seward Fellows Ind Project 2		TBA		Staff		1.00
ORT-490-20	Organizing Theme Indep. Study		TBA		Staff		1.00
ORT-497-20	Organizing Theme Sr Project		TBA		Staff	WS	1.00
ORT-498-20	Organizing Theme Thesis 1		TBA		Staff		0.00
ORT-499-01	Organizing Theme Thesis 2		TBA		Matsue, J.M.	WS	2.00
ORT-499-02	Organizing Theme Thesis 2		TBA		Grigsby, J.	WS	2.00
ORT-499-20	Organizing Theme Thesis 2		TBA		Staff	WS	2.00

### Philosophy

\* Must register for three additional credit courses.

\*\*Must register for two additional credit courses.

\*\*\*By Instructor Consent Only

***PHL-051-01	Ethics Bowl Practicum		KARP 200+	MWF	08:00AM 09:05AM	Clark, C.C.		0.00
PHL-110-01	Moral Problems: Case Study		KARP 008+	TTH	10:55AM 12:40PM	Zaibert, L.	HUM	1.00
PHL-125-01	Logic & Critical Thinking		KARP 004+	MWF	10:30AM 11:35AM	Tullman, K.	HUM	1.00
PHL-174-01	Biomedical Ethics: Intro		KARP 002+	MWF	08:00AM 09:05AM	Baker, R.	HUM	1.00
PHL-263-01	Issues in Feminism		KARP 004+	MWF	09:15AM 10:20AM	Tullman, K.	HUM	1.00
PHL-288-01	Skepticism East and West		LAMT 002	MWF	11:45AM 12:50PM	Nowakowski, D.		1.00
*PHL-295H-20	Philosophy Honors Ind Proj 1		TBA		Staff		0.00	
*PHL-296H-20	Philosophy Honors Ind Proj 2		TBA		Staff		1.00	
*PHL-408-01	New Directions in Philosophy 1		LAMT 002	MW	07:00PM 08:45PM	Zaibert, L.		0.00
*PHL-411-01	Writing Philosophy Workshop 1		LIPM 200+	TTH	01:55PM 03:40PM	Baker, R.		0.00
**PHL-412-01	Writing Philosophy Workshop 2		LIPM 200+	TTH	01:55PM 03:40PM	Baker, R.	HUM/WAC	1.00
**PHL-418-01	New Directions in Philosophy 2		LAMT 002	MW	07:00PM 08:45PM	Zaibert, L.	HUM/WAC/S	1.00
PHL-476-01	Philosophy of Law		LIPM 200+	MW	03:05PM 04:45PM	Zaibert, L.	HUM	1.00
*PHL-490-20	Philosophy Independent Study 1		TBA		Staff		1.00	
PHL-498-20	Philosophy Honors Thesis 1		TBA		Staff		0.00	
PHL-499-20	Philosophy Honors Thesis 2		TBA		Staff	WS	1.00	

### Physics and Astronomy

At the request of the Dept. Chair; students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

PHY-111-01	Physics/Life Sciences 2 w/Lab		OLIN 106+	MWF	08:00AM 09:05AM	Maleki, S.		1.00
			OLIN 106+	T	08:00AM 08:50AM			
PHY-111L-01	Physics/Life Sciences 2 Lab		NWSE 304	T	09:00AM 11:50AM	Staff		0.00
PHY-111L-02	Physics/Life Sciences 2 Lab		NWSE 304	T	01:55PM 04:45PM	Staff		0.00
PHY-120-01	Matter in Motion W/Lab	Y	NWSE 300	MWF	08:00AM 09:05AM	Staff	SCLB	1.00
			NWSE 300	T	09:00AM 10:45AM			
PHY-120-02	Matter in Motion W/Lab	Y	NWSE 300	MWF	09:15AM 10:20AM	Staff	SCLB	1.00
			NWSE 300	T	10:55AM 12:40PM			
PHY-120-03	Matter in Motion W/Lab	Y	NWSE 300	MWF	11:45AM 12:50PM	Staff	SCLB	1.00
			NWSE 300	TH	10:55AM 12:40PM			
PHY-120-04	Matter in Motion W/Lab	Y	NWSE 300	MWF	01:50PM 02:55PM	Staff	SCLB	1.00
			NWSE 300	TH	01:55PM 03:40PM			
PHY-120-05	Matter in Motion W/Lab	Y	NWSE 300	MWF	03:05PM 04:10PM	Staff	SCLB	1.00
			NWSE 300	T	01:55PM 03:40PM			
PHY-120-06	Matter in Motion W/Lab	Y	NWSE 304	MWF	09:15AM 10:20AM	Staff	SCLB	1.00
			NWSE 300	TH	09:00AM 10:45AM			
PHY-121-01	Prin of Electromagnetics w/lab	Y	NWSE 304	MWF	08:00AM 09:05AM	Staff		1.00
			NWSE 304	TH	09:00AM 10:45AM			
PHY-122-01	Relativity-Quantum W/Lab		NWSE 304	MWF	11:45AM 12:50PM	Maleki, S.		1.00
PHY-122L-01	Relativity, Quantum Lab		NWSE 005	TH	09:00AM 11:50AM	Maleki, S.		0.00
PHY-210-01	Medical Physics		NWSE 304	MWF	10:30AM 11:35AM	LaBrake, S.M.	WAC	1.00
PHY-270-01	Interm Electromagnetism w/Lab		NWSE 112+	MWF	10:30AM 11:35AM	Wilkin, F.P.		1.00
			NWSE 112+	TH	09:00AM 10:45AM			
PHY-295H-01	Physics Honors Ind Project 1		TBA		LaBrake, S.M.		0.00	
PHY-295H-02	Physics Honors Ind Project 1		TBA		Koopmann, R.		0.00	
PHY-295H-20	Physics Honors Ind Project 1		TBA		Staff		0.00	
PHY-296H-20	Physics Honors Ind Project 2		TBA		Staff		1.00	
PHY-311-01	Adv. Topic: Condensed Matter		NWSE 112+	MWF	03:05PM 04:10PM	Amanuel, S.		1.00
PHY-490-20	Physics Research 1		TBA		Staff		0.00	
PHY-491-01	Physics Research 2		TBA		Vineyard, M.F.	WS	2.00	
PHY-491-02	Physics Research 2		TBA		Maleki, S.	WS	2.00	
PHY-491-03	Physics Research 2		TBA		Amanuel, S.	WS	2.00	
PHY-491-04	Physics Research 2		TBA		Hallenbeck, G.	WS	2.00	
PHY-491-05	Physics Research 2		TBA		LaBrake, S.M.	WS	2.00	
PHY-491-06	Physics Research 2		TBA		Marr, J.M.	WS	2.00	
PHY-491-20	Physics Research 2		TBA		Staff	WS	2.00	



Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
PHY-492-01	Physics Research 3		TBA		Wilkin, F.P.	WS	1.00
PHY-492-20	Physics Research 3		TBA		Staff	WS	1.00
PHY-495-20	Physics Ind Study 1		TBA		Staff		1.00
PHY-496-20	Physics Ind Study 2		TBA		Staff		1.00
PHY-497-20	Physics Ind Study 3		TBA		Staff		1.00

### Political Science

PSC-111-01	Introduction to U.S. Politics		LIPM 016+	MWF 11:45AM 12:50PM	Dell'Aera, A.	SOCS	1.00
PSC-112-01	Intro Global Politics		LIPM 016+	MWF 08:00AM 09:05AM	Hislope, R.	SOCS	1.00
PSC-112-02	Intro Global Politics		LIPM 016+	MWF 09:15AM 10:20AM	Hislope, R.	SOCS	1.00
PSC-113-01	Intro to Political Thought		OLIN 306+	MWF 10:30AM 11:35AM	Seri, G.		1.00
PSC-159-01	Presidential Nominations		LIPM 016+	TTH 01:55PM 03:40PM	Brown, C. Oxley, Z.M.		1.00
PSC-235-01	African-Amer Political Thought		LIPM 201+	TTH 01:55PM 03:40PM	Marso, L.J.		1.00
PSC-249-01	Middle East Politics		LIPM 017+	TTH 09:00AM 10:45AM	Lobe, T.		1.00
PSC-256-01	Model United Nations	Y	LIPM 014+	W 01:50PM 04:40PM	Angrist, M.P.	WAC	1.00
PSC-266-01	Women & Politics		RCC 301+	TTH 09:00AM 10:45AM	Oxley, Z.M.		1.00
PSC-273-01	Supreme Court&Judicial Politic		LIPM 012+	TTH 10:55AM 12:40PM	Hays, B.		1.00
PSC-277-01	Pol Internship-Capital Region		TBA		Brown, C.		1.00
PSC-295H-20	Pol Sci Honors Ind Project 1		TBA		Staff		0.00
PSC-296H-20	Pol Sci Honors Ind Project 2		TBA		Staff		1.00
PSC-334-01	Contemp Continental Theory		RCC 301+	MWF 01:50PM 02:55PM	Cidam, C.		1.00
PSC-339-01	Seminar: Political Theory	Y	LIPM 100+	TTH 10:55AM 12:40PM	Marso, L.J.	WAC	1.00
PSC-344R-01	Unlawful Governance Democracy		KARP 008+	MW 03:05PM 04:45PM	Seri, G.	WAC	1.00
PSC-353R-01	Terrorism and Torture		LIPM 101+	MWF 09:15AM 10:20AM	Angrist, M.P.	WAC	1.00
PSC-490-20	Political Science Ind Study 1		TBA		Staff		1.00
PSC-498-01	Political Sci Senior Thesis 1		TBA		Cidam, C.		0.00
PSC-498-02	Political Sci Senior Thesis 1		TBA		Dell'Aera, A.		0.00
PSC-498-20	Political Sci Senior Thesis 1		TBA		Staff		0.00
PSC-499-01	Political Sci Senior Thesis 2		TBA		Hays, B.	WS	2.00
PSC-499-02	Political Sci Senior Thesis 2		TBA		Seri, G.	WS	2.00
PSC-499-03	Political Sci Senior Thesis 2		TBA		Cidam, C.	WS	2.00
PSC-499-04	Political Sci Senior Thesis 2		TBA		Brown, C.	WS	2.00
PSC-499-05	Political Sci Senior Thesis 2		TBA		Dell'Aera, A.	WS	2.00
PSC-499-06	Political Sci Senior Thesis 2		TBA		Marso, L.J.	WS	2.00
PSC-499-07	Political Sci Senior Thesis 2		TBA		Dallas, M.	WS	2.00
PSC-499-08	Political Sci Senior Thesis 2		TBA		Lobe, T.	WS	2.00
PSC-499-09	Political Sci Senior Thesis 2		TBA		Angrist, M.P.	WS	2.00
PSC-499-10	Political Sci Senior Thesis 2		TBA		Hislope, R.	WS	2.00
PSC-499-20	Political Sci Senior Thesis 2		TBA		Staff	WS	2.00

### Portuguese

Before signing up for your first Portuguese course at Union, you must check with the Modern Languages Dept. in Karp Hall.

POR-200-01	Intermediate Portuguese 1		KARP 004+	MWF 08:00AM 09:05AM	Garcia, W.	HUM/LCCP	1.00
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### Psychology

PSY-100-01	Intro to Psychology		KARP 105+	MWF 08:00AM 09:05AM	DeBono, K.	SOCS	1.00
PSY-100-02	Intro to Psychology		KARP 105+	MWF 09:15AM 10:20AM	DeBono, K.	SOCS	1.00
PSY-200-01	Statistical Methods in Psych	Y	BAIL 300+	MWF 09:15AM 10:20AM	Stanhope, L.		1.00
PSY-200-02	Statistical Methods in Psych	Y	BAIL 300+	MWF 10:30AM 11:35AM	Hayes, D.		1.00
PSY-210-01	Behavioral Neuroscience	Y	BAIL 312+	MWF 08:00AM 09:05AM	Hayes, D.	SET	1.00
PSY-212-01	Neurobiology	Y	BAIL 201+	MWF 10:30AM 11:35AM	Chu-LaGraff, Q. Olberg, R.		1.00
PSY-220-01	Attention and Memory	Y	BAIL 312+	TTH 10:55AM 12:40PM	Burns, D. J.		1.00
PSY-220-02	Attention and Memory	Y	BAIL 312+	TTH 01:55PM 03:40PM	Burns, D. J.		1.00
PSY-230-01	Social Psychology	Y	BAIL 312+	MWF 10:30AM 11:35AM	Morton, L.		1.00
PSY-240-01	Developmental Psychology	Y	BAIL 300+	MWF 03:05PM 04:10PM	Stanhope, L.	WAC	1.00
PSY-242-01	Death and Dying	Y	BAIL 300+	TTH 09:00AM 10:45AM	Weisse, C.		1.00
PSY-245-01	Gender Roles	Y	BAIL 300+	MWF 11:45AM 12:50PM	Donaldson, G.		1.00
PSY-250-01	Abnormal Psychology	Y	BAIL 312+	MWF 11:45AM 12:50PM	Walker, D.C.		1.00
PSY-250-02	Abnormal Psychology	Y	BAIL 300+	TTH 10:55AM 12:40PM	Morris, M.		1.00
PSY-250-03	Abnormal Psychology	Y	BAIL 312+	MWF 01:50PM 02:55PM	Walker, D.C.		1.00
PSY-291-01	Psychology Research Practicm 1		TBA		Bizer, G.		0.00
PSY-291-20	Psychology Research Practicm 1		TBA		Staff		0.00
PSY-292-20	Psychology Research Practicm 2		TBA		Staff		0.00
PSY-293-20	Psychology Research Practicm 3		TBA		Staff		1.00
PSY-295H-20	Psy Honors Ind Project 1		TBA		Staff		0.00
PSY-296H-20	Psy Honors Ind Project 2		TBA		Staff		1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
PSY-300-01	Research Methods in Psy W/Lab	Y	BAIL 312+	MWF 09:15AM 10:20AM	Bizer, G.	WAC	1.00
PSY-300L-01	Research Methods in Psy Lab		BAIL 303	M 01:50PM 04:40PM	Bizer, G.		0.00
PSY-300L-02	Research Methods in Psy Lab		BAIL 303	T 09:00AM 11:50AM	Bizer, G.		0.00
PSY-311-01	Animal Behavior W/Lab	Y	BAIL 201+	TTH 10:55AM 12:40PM	Fleishman, L.	SET	1.00
PSY-311L-01	Animal Behavior Lab		SWSE 101	T 01:55PM 04:40PM	Fleishman, L.		0.00
PSY-311L-02	Animal Behavior Lab		SWSE 101	W 01:50PM 04:40PM	Fleishman, L.		0.00
PSY-330-01	Adv Personality & Soc Behavior	Y	BAIL 100+	TTH 10:55AM 12:40PM	Hart, J.J.	SCLB	1.00
PSY-330L-01	Adv. Personality & Social Lab		BAIL 303	T 01:55PM 03:40PM	Hart, J.J.		0.00
PSY-330L-02	Adv. Personality & Social Lab		BAIL 303	W 01:50PM 03:35PM	Hart, J.J.		0.00
PSY-350-01	Psychotherapy	Y	BAIL 312+	TH 04:45PM 08:20PM	Anderson-Hanley, C.		1.00
PSY-403-01	Honors Colloquium Pt 2	Y	TBA		Chabris, C. Hart, J.J.		0.00
PSY-422-01	Communicating Psych Science	Y	BUTR 325	TTH 01:55PM 03:40PM	Chabris, C.	WAC/S	1.00
PSY-430-01	Seminar: Social Psychology	Y	BAIL 306	TTH 09:00AM 10:45AM	Morton, L.	WAC/S	1.00
PSY-441-01	Seminar: Adolescence	Y	SORM 111+	MW 03:05PM 04:45PM	Benack, S.	WAC/S	1.00
PSY-487-01	Psychology 3 Term Thesis - 1		TBA		Romero, S.G.		0.00
PSY-487-20	Psychology 3 Term Thesis - 1		TBA		Staff		0.00
PSY-488-01	Psychology 3 Term Thesis - 2		TBA		Anderson-Hanley, C.		0.00
PSY-488-02	Psychology 3 Term Thesis - 2		TBA		Chabris, C.		0.00
PSY-488-03	Psychology 3 Term Thesis - 2		TBA		Romero, S.G.		0.00
PSY-488-20	Psychology 3 Term Thesis - 2		TBA		Staff		0.00
PSY-489-01	Psychology 3 Term Thesis - 3		TBA		Anderson-Hanley, C.	WS	3.00
PSY-489-20	Psychology 3 Term Thesis - 3		TBA		Staff	WS	3.00
PSY-490-20	Psych Independent Study 1		TBA		Staff		1.00
PSY-495-20	Psych 1-Term Senior Project		TBA		Staff	WS	1.00
PSY-496-20	Psychology 2 Term Sr Project 1		TBA		Staff		0.00
PSY-497-20	Psychology 2 Term Sr Project 2		TBA		Staff	WS	2.00
PSY-498-01	Psychology Thesis 1		TBA		Benack, S.		0.00
PSY-498-20	Psychology Thesis 1		TBA		Staff		0.00
PSY-499-01	Psychology Thesis 2		TBA		Stanhope, L.	WS	2.00
PSY-499-02	Psychology Thesis 2		TBA		DeBono, K.	WS	2.00
PSY-499-03	Psychology Thesis 2		TBA		Anderson-Hanley, C.	WS	2.00
PSY-499-04	Psychology Thesis 2		TBA		Benack, S.	WS	2.00
PSY-499-05	Psychology Thesis 2		TBA		Chabris, C.	WS	2.00
PSY-499-06	Psychology Thesis 2		TBA		Morton, L.	WS	2.00
PSY-499-07	Psychology Thesis 2		TBA		Romero, S.G.	WS	2.00
PSY-499-08	Psychology Thesis 2		TBA		Weisse, C.	WS	2.00
PSY-499-20	Psychology Thesis 2		TBA		Staff	WS	2.00

### Religious Studies

AMU-060-01	From Chant to Mozart		TMC 224+	MWF 11:45AM 12:50PM	McMullen, D.	HUM/WAC	1.00
AMU-212-01	Baroque Music	Y	TMC 224+	MWF 10:30AM 11:35AM	McMullen, D.	HUM/WAC	1.00
ANT-256-01	The Anthropology of Islam		KARP 001+	MWF 09:15AM 10:20AM	Khan, A.		1.00
CLS-110-01	AncientEgypt:History&Religion		WLDC 010+	MWF 11:45AM 12:50PM	Bedford, P.	LCC/HUM	1.00
HST-171-01	Europe & Americas:Columbus Era		LIPM 017+	TTH 01:55PM 03:40PM	Meade, T.	LCC/WAC	1.00
REL-283-01	Cosmos: Rel Sci Orign Destny		OLIN 206+	TTH 01:55PM 03:40PM	Wegter-Mcnelly, K.		1.00
REL-295H-20	Rel Honors Ind Project 1		TBA		Staff		0.00
REL-296H-20	Rel Honors Ind Project 2		TBA		Staff		1.00
REL-490-01	Religious Indep. Study		TBA		Bedford, P.		1.00
REL-490-20	Religious Indep. Study		TBA		Staff		1.00
REL-498-01	Religious Studies Sr. Thesis 1		TBA		Bedford, P.		0.00
REL-498-20	Religious Studies Sr. Thesis 1		TBA		Staff		0.00
REL-499-20	Religious Studies Sr Thesis 2		TBA		Staff		2.00

### Russian

Before signing up for your first Russian course at Union; you must check with the Modern Languages Dept. in Karp Hall.

RUS-101-01	Basic Russian 2		OLIN 211+	MWF 09:15AM 10:20AM	Bidoshi, K.A.	LCCR	1.00
RUS-201-01	Intermediate Russian 2		STZH 106+	MWF 03:05PM 04:10PM	Pease, A.	LCCR	1.00
RUS-490-01	Russian Independent Study 1		TBA		Pease, A.		1.00

### Scholars Program

SCH-150-01	Scholars Research Seminar		MESA 105+	MWF 10:30AM 11:35AM	Olsen, T.		1.00
SCH-150-02	Scholars Research Seminar		LIPM 012+	MWF 10:30AM 11:35AM	Cox, L.		1.00

### Science, Med & Tech in Culture

ANT-234-01	Health and Healing in Africa		WLDC 225+	TTH 10:55AM 12:40PM	Osborn, M.	LCC	1.00
BIO-050-01	Contemporary Biology w/Lab	Y	WLDC 225+	MWF 09:15AM 10:20AM	Willing, R.	SCLB	1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
BIO-050L-01	Contemporary Biology Lab		SWSE 103	TH 01:55PM 04:45PM	Willing, R.		0.00
BIO-050L-02	Contemporary Biology Lab		SWSE 103	W 01:50PM 04:40PM	Willing, R.		0.00
BIO-077-01	Technology of Biology	Y	BAIL 207+	TTH 10:55AM 12:40PM	Salvo, J.L.	SET	1.00
ECO-230-01	The Mind of the Entrepreneur	Y	KARP 005+	TTH 10:55AM 12:40PM	Fried, H.		1.00
ECO-335-01	Economics of Health		WLDC 225+	TTH 09:00AM 10:45AM	Song, Y.		1.00
ECO-375-01	Efficient Mgmt of Technology		OLIN 106+	TTH 01:55PM 03:40PM	Yaisawarng, S.	WAC	1.00
ENS-100-01	Intro to Environ Studies W/Lab	Y	LIPM 014+	MWF	Dosiek, S.	SCLB	1.00
ENS-100L-01	Intro to Environ Studies Lab		OLIN 306+	M 01:50PM 04:40PM	Dosiek, S.		0.00
ENS-100L-02	Intro to Environ Studies Lab		OLIN 106+	W 01:50PM 04:40PM	Dosiek, S.		0.00
ENS-209-01	Renewable Energy Systems		WLDC 225+	MWF 10:30AM 11:35AM	Wilk, R.	SET	1.00
GEO-106-01	Intro to Oceanography	Y	OLIN 307+	MWF 11:45AM 12:50PM	Gillikin, D.	SCLB	1.00
GEO-106L-01	Intro to Oceanography Lab		OLIN 307+	M 01:00PM 04:45PM	Gillikin, D.		0.00
GEO-220-01	Mineral Science W/Lab	Y	OLIN 307+	TTH 10:55AM 12:40PM	Hollocher, K.		1.00
GEO-220L-01	Mineral Science Lab		OLIN 307+	TH 01:55PM 04:45PM	Hollocher, K.		0.00
HST-295-01	History of Medicine		KARP 004+	TTH 10:55AM 12:40PM	Singy, P.	WAC	1.00
MTH-056-01	History of Mathematics		BAIL 100+	MWF 03:05PM 04:10PM	Staff	QMR	1.00
MTH-221-01	Mathematical Cryptology		WLDC 128+	MWF 10:30AM 11:35AM	Staff		1.00
SMT-498-20	Sci, Med, Tech Thesis Pt 1		TBA		Staff		0.00
SMT-499-20	Science, Med & Tech Thesis Pt		TBA		Staff	WS	2.00
SOC-284-01	Soc of Women & Health		LIPM 012+	MWF 01:50PM 02:55PM	Grigsby, J.		1.00

### Sociology

SOC-100-01	Intro to Sociology		LIPM 014+	MWF 09:15AM 10:20AM	Cotter, D.	SOCS	1.00
SOC-100-02	Intro to Sociology		LIPM 014+	TTH 10:55AM 12:40PM	Goldner, M.A.	SOCS	1.00
SOC-203-01	Social Psychology	Y	BAIL 312+	MWF 10:30AM 11:35AM	Morton, L.		1.00
SOC-205-01	Social Work & Human Services		KARP 001+	TTH 01:55PM 03:40PM	Staff		1.00
SOC-230-01	Sociology of Black Community		KARP 001+	TTH 10:55AM 12:40PM	Hill-Butler, D.	LCC	1.00
SOC-260-01	Population and Society		LIPM 012+	MWF 11:45AM 12:50PM	Grigsby, J.		1.00
SOC-284-01	Soc of Women & Health		LIPM 012+	MWF 01:50PM 02:55PM	Grigsby, J.		1.00
SOC-295H-20	Sociology Honors Ind Project 1		TBA		Staff		0.00
SOC-296H-20	Sociology Honors Ind Project 2		TBA		Staff		1.00
SOC-305-01	History:Sociological Thought	Y	LIPM 014+	TTH 01:55PM 03:40PM	Goldner, M.A.	WAC	1.00
SOC-450-01	Environmental Services&Policy	Y	TBA		Kaplan, I.	WAC	1.00
SOC-490-01	Sociology Independent Study 1		TBA		Grigsby, J.		1.00
SOC-490-20	Sociology Independent Study 1		TBA		Staff		1.00
SOC-498-01	Sociology Senior Thesis 1		TBA		Cotter, D.		0.00
SOC-498-02	Sociology Senior Thesis 1		TBA		Kaplan, I.		0.00
SOC-498-20	Sociology Senior Thesis 1		TBA		Staff		0.00
SOC-499-01	Sociology Senior Thesis 2		TBA		Hill-Butler, D.	WS	2.00
SOC-499-02	Sociology Senior Thesis 2		TBA		Stablein, T.	WS	2.00
SOC-499-03	Sociology Senior Thesis 2		TBA		Grigsby, J.	WS	2.00
SOC-499-20	Sociology Senior Thesis 2		TBA		Staff	WS	2.00

### Sophomore Research Seminar

SRS Sections cannot be added or changed without permission from Kathy Basirico; OLIN 219.

SRS-200-01	On Death and Dying		BEUT 312	TTH 09:00AM 10:45AM	Baker, R.		1.00
SRS-200-02	Analyzing Genders Sexualities		KARP 001+	TTH 09:00AM 10:45AM	Chilcoat, A. M.		1.00
SRS-200-03	Research Ethics		OLIN 211+	TTH 09:00AM 10:45AM	Clark, C.C.		1.00
SRS-200-04	Rebirth of Feminism		KARP 008+	TTH 09:00AM 10:45AM	Feffer, A.		1.00
SRS-200-05	Automobile American Culture		LIPM 017+	MWF 10:30AM 11:35AM	Lewis, B.G.		1.00
SRS-200-06	Imagining India		OLIN 115+	MWF 10:30AM 11:35AM	Mazumder, R.		1.00
SRS-200-07	Socialisms		LIPM 200+	TTH 09:00AM 10:45AM	Meade, T.		1.00
SRS-200-08	WWII Japan-Amer Incarceration		OLIN 106+	TTH 09:00AM 10:45AM	Morris, A.J.		1.00
SRS-200-09	Nature and God		GREN 105+	MWF 10:30AM 11:35AM	Nowakowski, D.		1.00
SRS-200-10	Tech, Identity, Security		WLDC 010+	MWF 10:30AM 11:35AM	Cotter, S.		1.00
SRS-200-11	Weimar Film		KARP 105+	MWF 10:30AM 11:35AM	Pease, A. Ricci Bell, M.		1.00

### Spanish

Before signing up for your first Spanish course at Union; you must check with the Modern Languages Dept. in Karp Hall.

SPN-101-01	Basic Spanish 2		KARP 002+	MWF 01:50PM 02:55PM	Mosquera, D.	LCCS	1.00
SPN-200-01	Intermediate Spanish 1		KARP 103+	MWF 01:50PM 02:55PM	Osuna, M.	LCCS	1.00
SPN-201-01	Intermediate Spanish 2		KARP 103+	MWF 09:15AM 10:20AM	Mosquera, D.	LCCS	1.00
SPN-202-01	Intermediate Spanish 3		NWSE 222+	MWF 09:15AM 10:20AM	Mueller, S.	LCCS	1.00
SPN-203-01	Advanced Spanish	Y	KARP 200+	MWF 01:50PM 02:55PM	Mueller, S.	LCCS/WAC	1.00
SPN-295H-01	Spanish Honors Ind Project 1		TBA		Osuna, M.		0.00
SPN-295H-20	Spanish Honors Ind Project 1		TBA		Staff		0.00
SPN-296H-20	Spanish Honors Ind Project 2		TBA		Staff	HUM	1.00

Course #	Title	Petition	Location	Meeting Times	Instructor	CC	Credit
SPN-328-01	Inquiring Identities		KARP 001+	MWF 11:45AM 12:50PM	Osuna, M.	LCCS/HUM/WAC	1.00
SPN-330-01	Mexican Women's Cont Short Fic		LIPM 012+	MW 03:05PM 04:45PM	Martinez, V.	LCCS/HUL/WAC	1.00
SPN-417-01	Death & Revenge in South Cone		KARP 006+	MWF 11:45AM 12:50PM	Martinez, V.	LCCS/HUL/WAC/S	1.00
SPN-490-20	Spanish Independent Study 1		TBA		Staff		1.00

### Statistics

At the request of the Dept. Chair; students in multiple section courses may be switched from their originally scheduled section in order to optimize enrollment.

STA-104-01	Introduction to Statistics		BAIL 100+	MWF 11:45AM 12:50PM	Staff	QMR	1.00
STA-128-01	Probability		BAIL 106	MWF 10:30AM 11:35AM	Staff		1.00
STA-364-01	Business Analytics	Y	OLIN 106+	MWF 09:15AM 10:20AM	Staff		1.00

### Studio Arts

\*Students must bring 35mm SLR film camera to first class and must attend first class to remain enrolled.

\*\*Students must bring a working 35mm digital camera to first class and must attend first class to remain enrolled.

AVA-010-01	Ceramics 1 Practicum	Y	TBA	W 04:00PM 06:00PM	Niefeld, N.		0.00
AVA-020-01	Ceramics 2 Practicum		TBA	W 06:00PM 08:00PM	Niefeld, N.		0.00
AVA-030-01	Ceramics 3 Practicum		TBA	W 06:00PM 08:00PM	Niefeld, N.		0.00
AVA-110-01	Drawing 1	Y	NTRR 100	MW 01:55PM 04:45PM	Nemett, L.	HUM	1.00
*AVA-120-01	<b>Photography 1</b>	Y	OLDL SEMI	TTH 09:00AM 12:20PM	Pamkowski, J.	HUM	1.00
AVA-130-01	Sculpture 1	Y	NWSE 114+	MW 01:55PM 04:40PM	Duncan, C.	HUM	1.00
			NWSE 116+	MW 01:55PM 04:40PM			
AVA-150-01	Printmaking: Relief	Y	PDTH 100	TTH 09:00AM 12:00PM	Wimer, S.	HUM	1.00
AVA-160-01	Digital Art	Y	OLIN 110+	TTH 09:00AM 11:55AM	Orellana, F.	HUM	1.00
**AVA-210-01	<b>Drawing 2</b>		PDTH 100	TTH 01:55PM 04:40PM	Wimer, S.	HUM	1.00
AVA-220-01	Photography 2		OLDL SEMI	TTH 01:55PM 04:40PM	Pamkowski, J.	HUM	1.00
AVA-261-01	Painting in Watercolor		NTRR 201	MW 09:00AM 12:40PM	Nemett, L.	HUM	1.00
AVA-282-01	Digital Aesthetics		OLIN 110+	TTH 01:55PM 04:55PM	Orellana, F.	HUM	1.00
AVA-296H-01	Studio Arts Honors Ind Proj 2		TBA		Niefeld, N.		1.00
AVA-420-01	Photography Independ Study 1		TBA		Pamkowski, J.		1.00
AVA-450-20	Printmaking Independent Study		TBA		Staff		1.00
AVA-460-01	Painting Independent Study 1		TBA		Nemett, L.		1.00
AVA-480-01	Digital Arts Independent Study		TBA		Orellana, F.		1.00
AVA-480-20	Digital Arts Independent Study		TBA		Staff		1.00
AVA-498-20	Visual Arts Senior Thesis 1		TBA		Staff		0.00
AVA-499-01	Visual Arts Senior Thesis 2		TBA		Pamkowski, J.	WS	2.00
AVA-499-20	Visual Arts Senior Thesis 2		TBA		Staff	WS	2.00

### Theater

ATH-050-01	Rehearsal and Production		YULM THR	TBA TBA	Moutillet, M. Finlay, W.		0.00
ATH-100-01	Public Speaking		RCC AUD	TTH 10:55AM 12:40PM	Culbert, P.	HUM	1.00
ATH-102-01	Introduction to Theatre		YULM THR	TTH 09:00AM 10:45AM	Steckler, C.	HUM	1.00
ATH-104-01	Intro to Study of Lit: Drama		KARP 006+	TTH 01:55PM 03:40PM	Wareh, P.	WAC/HUM/HUL	1.00
ATH-112-01	Acting 1		YULM THR	TTH 01:55PM 03:40PM	Finlay, W.	HUM	1.00
ATH-113-01	Intro to Stage Design		YULM THR	TTH 01:55PM 03:40PM	Steckler, C.	HUM	1.00
ATH-117-01	Stage Lighting Design		YULM THR	TTH 10:55AM 12:40PM	Bovard, R.	HUM	1.00
ATH-119-01	CAD Drafting for Theatre		TBA		Bovard, R.	HUM	1.00
ATH-123-01	History of Fashion & Dress		YULM THR	TTH 10:55AM 12:40PM	Belz, B.	HUM/WAC	1.00
ATH-150-01	Explorations in Dance Theater	Y	HENL DANS	TTH 01:55PM 04:00PM	Moutillet, M.	HUM	1.00
			HENL 203	TTH 01:55PM 04:00PM	Batson, C.R.		
			MESA 105+	TTH 01:55PM 04:00PM			
ATH-295H-20	Theatre Honors Ind Project 1		TBA		Staff		0.00
ATH-296H-20	Theatre Honors Ind Project 2		TBA		Staff		1.00
ATH-325-01	Acting Shakespeare		YULM THR	MW 03:05PM 04:45PM	Culbert, P.	LCC/HUM	1.00
ATH-370-01	Theater / Dance Internship		TBA		Finlay, W.		1.00
ATH-497-20	Theatre Senior Project		TBA		Staff	WS	1.00
ATH-498-01	Theatre Senior Project 1		TBA		Finlay, W.		0.00
ATH-498-02	Theatre Senior Project 1		TBA		Culbert, P.		0.00
ATH-498-20	Theatre Senior Project 1		TBA		Staff		0.00
ATH-499-20	Theatre Senior Project 2		TBA		Staff	WS	2.00