

Certificate Programs

Certificates

Certificate Programs are structured combinations of courses with a common base of interest from one or more disciplines into an area of concentration.

Successful completion of a Certificate Program is entered on the student's transcript and records. Two types of certificates are awarded:

Academic Certificate

Awarded by an academic unit to a student at the time of awarding a bachelor's degree; or upon completion of the appropriate coursework to a student who already has a bachelor's degree.

An academic certificate shall not be awarded to a student who does not possess either a bachelor's degree or does not complete a bachelor's degree program. An academic certificate, to the greatest extent possible, is to be interdisciplinary in nature.

Professional Certificate

Awarded by an academic unit to an individual who completes the appropriate coursework in the area of concentration. The professional certificate does not need to be interdisciplinary or associated with a degree program. For details and course requirements, refer to the appropriate certificate director or academic department.

Academic Certificates in:

- Actuarial Studies
- Agroecology
- Biodiversity Conservation and Management
- Coastal and Marine Affairs
- Environmental Studies
- Ethics, Big Data & Artificial Intelligence
- Exile Studies
- Film Studies
- Forensic Science
- Health Humanities
- Law, Ethics and Society
- Linguistic Studies
- Professional and Public Writing
- Queer Studies
- Women's and Gender Studies

Professional Certificate in:

- Applied Behavior Analysis

Certificate Program in Actuarial Studies

Coordinating Committee

Hassan Zahedi, *Director, Statistics*

Julian Edward, *Mathematics*

Steve Hudson, *Mathematics*

The Certificate in Actuarial Studies is designed to provide a focus for those students who are interested in pursuing a career in the actuarial sciences. The primary emphasis of the Certificate program is on the mathematical and statistical background that forms the foundation of the work in this area.

This certificate program is open to degree seeking students only. The program is most obviously suitable for those students who are majoring in Mathematics or

Statistics. It would also be valuable for those who wish eventually to enter the actuarial field, but choose to major in an allied discipline, such as Business or Computer Science. In addition, it allows access to those students who are currently working in this area and wish to develop or upgrade their skills.

Upon completion of the following requirements, a student may apply for the Certificate in Actuarial Studies. The Certificate will be awarded at the time of awarding a Bachelor's degree, or upon completion of this work if the student already has a Bachelor's degree.

Statistics and Mathematics Required Courses: (20)

a) MAC 2311	Calculus I	4
b) MAC 2312	Calculus II	4
c) MAC 2313	Calculus III	4
d) MAS 3105	Linear Algebra	3
e) MAT 3930	Special Topics- Mathematics	1
f) STA 4321	Mathematical Statistics I	3
g) STA 3930	Special Topics-Statistics	1

Four options from the following list: (12)

a) STA 4322	Mathematical Statistics II	3	
b) MAD 3401	Numerical Analysis	3	
	or		
	MAD 5405	Numerical Methods	3
c) STA 4603	Mathematical Techniques of Operations Research	3	
	or		
	MAP 5236	Operations Research	3
d) STA 4234	Introduction to Regression Analysis	3	
	or		
	STA 5236	Regression Analysis	3
e) ECO 2013	Principles of Macro-Economics	3	
f) ECO 2023	Principles of Micro-Economics	3	
g) ECO 4237	Money, Interest, and Capital	3	
h) ACG 2021	Accounting for Decisions	3	
i) ACG 3024	Introduction to Accounting for Managers and Investors	3	
j) FIN 3403	Financial Management	3	
k) COP 2210	Introduction to Programming	3	
	or		
	COP 3337	Intermediate Programming	3

An overall average of 'B' (3.0 GPA) or better in the 32 semester-hours of coursework listed above, with a grade of 'C' or better in each course. A minimum of 12 of these semester-hours must be earned in courses taken at the University.

Agroecology Certificate Program

Kateel Shetty, *Director, Earth and Environment*

Mahadev Bhat, *Earth and Environment*

Krish Jayachandran, *Earth and Environment*

Amir Khoddamzadeh, *Earth and Environment*

Suzanne Koptur, *Biological Sciences*

Gail Hollander, *Politics and International Relations*

Adriana Campa, *Dietetics and Nutrition*

This interdisciplinary program is aimed at providing students with an opportunity to learn problems and issues that emerge from the interface between agriculture, natural ecosystems and urban areas. Students will gain an appreciation of how traditional agricultural production systems will influence the quality of natural ecosystems

and human environment, and also what ecological and developmental pressure that agriculture comes under from the human system. The program will emphasize natural and economic services that are provided by large agricultural areas interspersed between urban and natural areas. Students will learn structural changes that are necessary within agriculture in order to make it ecologically sustainable and community supported. The program includes farm- and field-level experiential learning through internships, field demonstrations and minor experiments. This certificate program is open to degree-seeking students only.

Requirements

Prescribed Courses and Other Requirements:

The Agroecology Certificate Program requires successful completion of the following three categories of course work, with a total of 17-18 credit hours:

1. Agroecology core requirement:

EVR 4274	Sustainable Agriculture – GL	3
EVR 4272	Agroecology – GL	3
2. Agricultural internship or problem analysis: Take any one of the following:

ACG 4941	Agriculture Internship	2
ISC 4940	Research Internship in Earth And Environment	2
BSC 4914	Student Research Lab	2
BSC 3949	Cooperative Education in Biology	2
BSC 4915L	Honors Research	2

As part of the above courses, student must complete a farm-, field-or lab-based internship that may involve working on farms, carrying out agro-ecological field observations, carrying out agricultural science lab experiments, conducting geo-spatial modeling, or conducting agriculture-related socio-economic analysis. Student will produce a report based on the internship experience. Students also will have the option of doing internship or conducting agroecology science experiments at USDA's Agricultural Research Service, Miami or other research or education institutions.

3. General agricultural/environmental science and social studies electives:

Take any three

- | | | |
|-----------|---------------------------------------------|---|
| HOS 3012 | Introduction to Horticulture | 3 |
| EVR 4592 | Soils and Ecosystems | 3 |
| EVR 3723 | Natural Resources Valuation and Economics | 3 |
| AEB 4131 | Farm Economics and Management | 3 |
| AGR 4240 | Modern Crop Production | 3 |
| EVR 3010 | Energy Flow in Natural and Man-made Systems | 3 |
| EVR 3013 | Ecology of South Florida | 3 |
| GIS 3043 | Introduction to GIS | 3 |
| EVR 4869L | Environmental Problem Solving | 2 |
| EVR 4026 | Biotic Resources | 3 |
| EVR 4211 | Water Resources | 3 |
| EVR 4310 | Energy Resources | 3 |
| EVR 4321 | Sustainable Resource Development | 3 |
| EVR 4323 | Restoration Ecology | 3 |
| EVR 4401 | Conservation Biology | 3 |
| EVR 4352 | U.S. Environmental Policy | 3 |
| EVR 4415 | Population and Environment | 3 |
| ECP 3302 | Environmental Economics | 3 |

ECP 4314	Natural Resource Economics	3
GEO 3510	Earth Resources – GL	3
GEO 4476	Political Ecology	3
GEO 4354	Geography/Global Food System – GL	3
GLY 3039	Environmental Geology	3
ENY 4060	Advanced Entomology	3
IPM 4020	Integrated Pest Management	3
MCB 3020	General Microbiology	3
MCB 3020L	General Microbiology Lab	1
MCB 4603	Microbial Ecology	3
PCB 2061	Introductory Genetics	3
PCB 4301	Freshwater Ecology	3
MCB 2000	Introductory Microbiology – GL	3
BOT 3014	Plant Life Histories	3
BOT 3154	Local Flora	3
BOT 3663	Tropical Botany	3
BOT 3810	Economic Botany	3
BOT 4503	Plant Physiology	3
BSC 4422	Biotechnology: Applications in Industry, Agriculture and Medicines	3
INR 3043	Population and Society	3
INR 4054	World Resources, World Order	3

The Certificate Committee will consider other courses toward the elective requirement on a case-by-case basis. Up to two courses taken at Miami Dade College or other colleges in the relevant areas of agricultural sciences, horticulture, ecology, and environmental sciences will count toward the general agricultural/environmental science and social studies elective requirement.

Biodiversity Conservation and Management Certificate Program

Joel Heinen, *Director, Earth and Environment*

The Undergraduate Certificate in Biodiversity Conservation and Management draws on areas of strength within the Department of Earth and Environment and the Department of Biological Sciences (College of Arts, Sciences and Education) to provide students with specialized knowledge about managing and conserving the earth's biological resources. It is designed for students who seek careers in agencies that manage and conserve biological resources, for people in the private sector who seek specialized knowledge in this area, for educators seeking advanced training, or for others interested in the topic. The certificate is managed by the Department of Earth and Environment and the Biodiversity and Conservation Certificate Committee. This certificate program is open to degree-seeking students only.

Admission Requirements

Students should have completed a minimum of 2 courses in general biology and one course in ecology as a prerequisite to the program.

Program Requirements

Students are required to take 18 credit hours of course work outlined below. Other related courses may be approved subject to consideration by the program director and committee on a case by case basis.

1. Foundational

EVR 4401	Conservation Biology	3
2. Biological Conservation Sciences 9 credits total		
<i>Take three courses from this list:</i>		
BOT 4401	Plant Conservation Biology	3
EVR 4323	Restoration Ecology	3
EVR 4272	Agroecology – GL	3
OCB 4070	Coastal Marine Conservation	3
EVR 4374	Ecology and Management of Invasive Species	3
EVR 4592	Soils and Ecosystems	3
PCB 4452	Introduction to Wetland Ecology and Management	3

**Additional upper division courses in organismal biology in the Department of Biological Science can be counted for this certificate on a case-by-case basis. See catalogue for recent offerings.*

3. Integrated Biological Resources Management 6 credits total

Take two courses from this list:

EVR 4274	Sustainable Agriculture – GL	3
EVR 4026	Ecology of Biotic Resources	3
EVR 4411	Human Organizations and Ecosystem Management	3
PCB 4467C	Marine Protected Areas – GL	4
BOT 3810	Economic Botany	3

Coastal and Marine Affairs Certificate Program

Ricardo Gonzalez, Director, Global and Sociocultural Studies

Coordinating Committee

John Berry, Chemistry and Biochemistry

Richard Brinn, Biological Sciences

Young Rae Choi, Global and Sociocultural Studies

Michael Heithaus, Biological Sciences

Diann Newman, Hospitality Management

Neptune Srimal, Earth & Environment

The purpose of the certificate in Coastal and Marine Affairs is to provide students with a broad multidisciplinary approach to the subject that includes courses not only from the sciences, but also the social sciences, humanities, arts, and the professional schools. In addition to the courses listed below, new courses are being added to support this theme as the Biscayne Bay Campus develops a new coastal environmental focus. Students should consult with the certificate director to identify new courses which may also be used to satisfy these requirements. This certificate program is open to degree-seeking students only.

Course Requirements

The certificate requires a total of 18 credit hours, from the following list:

Core Science courses: (at least 3 credits)

OCB 2000	Introductory Marine Biology – GL	3
OCB 2000L	Introductory Marine Biology Lab	1
OCB 3043	Marine Biology and Oceanography	3
OCB 3043L	Marine Biology and Oceanography Lab	1
OCE 2001	Introduction to Oceanography	3

OCE 3014	Oceanography – GL	3
OCE 3014L	Oceanography Lab	1
OCP 3002	Physical Oceanography	3
Core Policy and Law Courses: (at least 3 credits)		
EVR 4356	Coastal and Marine Environmental Policy	3
HFT 3692	Ocean and Coastal Law for the Hospitality Industry	3
INR 4412	International Law of the Sea	3
Other Primary Courses: (at least 3 credits)		
ANT 4305	Coastal Cultures	3
ART 3843	Land Art/Earth Art and Coastal Environment	3
ENC 3363	Writing About the Environment	3
LIT 4606	Literature of the Sea	3
HFT 4708	Coastal and Marine Tourism	3
OCB 3264	Biology of Coral Reefs	3
OCB 4303	Biology of Marine Mammals	3
OCB 4070	Coastal Marine Conservation	3

Electives: (from 0 to 6 credits)

EVR 1001	Introduction to Environmental Science – GL	3
EVR 1001L	Introduction to Environmental Science Lab	1
EVR 1017	Climate Change, the Global Environment, and Society – GL	3
EVR 3013	Ecology of South Florida	3
EVR 3013L	Ecology of South Florida Lab	1
GEA 2000	World Regional Geography – GL	3
GLY 1010	Physical Geology	3
GLY 1010L	Physical Geology Lab	1
HFT 3701	Sustainable Tourism Practices – GL	3
HFT 3770	Cruise Line Operations and Management	3
JOU 3314	Environmental Journalism	3
PHI 3640	Environmental Ethics – GL	3

No more than 9 credits total in biology, chemistry, and earth sciences may be used to satisfy the certificate requirements.

Courses that are not on this list may be substituted with permission of the certificate director.

Environmental Studies Certificate Program

Mahadev Bhat, Director, Earth and Environment

Coordinating Committee

Kevin Hill, Politics and International Relations

Suzanne Koptur, Biology

Rod Neumann, Politics and International Relations

Patricia Houle, Earth and Environment

The Certificate Program in Environmental Studies is designed to provide degree-seeking students in various majors with the unique perspective of interdisciplinary ecological education to both enrich and expand the breadth of their primary training. The Certificate seeks to provide participants with an analytic basis for understanding the milieu of local and global environmental problems and processes.

The program requires no prerequisite and is complementary to majors in all disciplines and schools at

the University. A grade of "C" or better is required for all courses.

Requirements

The curriculum for the Environmental Studies Certificate consists of six courses (18-20 credits).

I. Two Environmental Science Courses:

EVR 3011	Environmental Resources and Pollution or
GEO 3510	Earth Resources
EVR 3013/L	Ecology of South Florida <u>and Lab</u>
Students with science backgrounds should take instead two environmental science courses from the following:	
EVR 4026	Biotic Resources
EVR 4211/L	Water Resources <u>and Lab</u>
EVR 4310	Energy Resources

II. Two additional Environmental Social Sciences courses from the following:

ANT 3403	Cultural Ecology
GEO 3421	Cultural Geography
ECP 3302	Environmental Economics
EVR 4415	Population and Environment Issues
EVR 4352	U.S. Environmental Policy
INR 4350	International Environmental Policy
PUP 3206	International Law and the Environment
POS 4035	Environmental Politics
REL 3492	Earth Ethics – <i>GL</i>

III. Two additional Environmental Electives from the following (students should check with the Director of the certificate for additional classes that may be used to satisfy the elective component):

AMH 4930	Environmental History
ANT 3403	Cultural Ecology
ANT 4552	Primate Behavior and Ecology
ANG 5267	Environmental Anthropology
BOT 3014	Plant Life Histories
BOT 3154	Local Flora & Lab
BSC 5825	Wildlife Biology
ECP 3302	Introduction to Environmental Economics
ECP 4314	Natural Resource Economics
ENY 4060	Advanced Entomology & Lab
EVR 3010	Energy Flows in Natural and Man-Made Systems
EVR 3013	Ecology of South Florida & Lab
EVR 4026	Biotic Resources
EVR 4211	Water Resources
EVR 4231	Air Resources
EVR 4310	Energy Resources
EVR 4321	Sustainable Resource Development
EVR 4323	Restoration Ecology
EVR 4351	U.S. Energy Policy
EVR 4352	U.S. Environmental Policy
EVR 4401	Conservation Biology
EVR 4415	Population and Environment Issues
EVR 4905	Independent Study
EVR 4934	Special Topics
EVR 5061	South Florida Ecology
EVR 5065	Ecology of Costa Rican Rainforest
EVR 6067	Tropical Forest Conservation
EVR 6300	Topics in Urban Ecology
EVR 5313	Renewable Energy Sources
EVR 5320	Environmental Resource Management

EVR 5353	International Energy Policy
EVR 5355	Environmental Resource Policy
EVR 6406	U.S. Endangered Species Management
EVR 5907	Research and Independent Study
EVR 5935	Special Topics
EVR 5936	Topics in Environmental Studies
GEO 3510	Earth Resources – <i>GL</i>
GEO 3421	Cultural Geography
GLY 3039	Environmental Geology & Lab
GIS 3043	Introduction to GIS
HFT 3701	Sustainable Tourism Practices – <i>GL</i>
INR 3043	Population and Society
INR 4054	World Resources, World Order
INR 4350	International Environmental Politics
LIT 4930	Literature and the Environment
MCB 4603	Microbial Ecology
PCB 3043	Ecology & Lab
PHI 3640	Environmental Ethics – <i>GL</i>
PUP 3206	International Law and the Environment
POS 4035	Environmental Politics
REL 3492	Earth Ethics – <i>GL</i>
ZOO 4462C	Herpetology
Total Credit Hours:	18-20

Ethics, Big Data & Artificial Intelligence

Clinton Castro, *Philosophy*

This program offers a course of studies in the ethics of big data and artificial intelligence. The program seeks to develop a curriculum which will study these technologies and their effects from a variety of perspectives. From computer science, mathematics and statistics, and philosophy, we offer courses that give students the technical grounding they need to understand how big data and artificial intelligence work. From philosophy, we offer courses that give students the foundations they need to understand the ethical significance of these technologies. This certificate program is open to degree-seeking students only.

1. The curriculum for the Ethics, Big Data & Artificial Intelligence Certificate consists of six courses (18 credits). It requires a minimum of five (3-credit) courses drawn from the two lists stipulated below:
 - 1) Descriptive Foundations and
 - 2) Normative Foundations
2. At least one course from each list must be taken.
3. At least one starred* course must be taken
4. Keystone course: PHI 3681 Ethics, Big Data & Artificial Intelligence in addition to the five other 3-credit courses.

Descriptive Foundations

STA 2023	Statistics for Business and Economics*
STA 3033	Introduction to Probability and Statistics for CS*
CGS 2518	Computer Data Analysis*
STA 4321	Mathematical Statistics I*
PHI 4130	Symbolic Logic*
PHI 2100	Introduction to Logic*
PHI 4161	Philosophy and Probability*
STA 4322	Introduction to Mathematical Statistics II
PHI 2010	Introduction to Philosophy
PHI 3300	Epistemology

PHI 3320	Philosophy of Mind
PHI 3400	Philosophy of Science
PHI 3500	Metaphysics
PHI 4230	Language and Paradox
PHI 4321	Topics in the Philosophy of Mind
PHI 4370	Topics in Epistemology
PHI 4371	Truth and Deception
PHI 5931	Advanced Topics in Philosophy of Mind and Cognitive Science

Normative Foundations

PHI 2600	Introduction to Ethics
PHI 3601	Ethics
PHI 3638	Contemporary Ethical Issues
PHM 3200	Social and Political Philosophy
PHM 3400	Philosophy of Law
PHI 4123	Philosophy and Feminism
PHM 4125	Philosophy of Gender and Race
PHM 4360	Topics in Political Philosophy
PHM 4362	Global Justice
PHM 4430	Topics in Philosophy of Law
PHM 5935	Advanced Topics in Social and Political Philosophy
PHM 5936	Advanced Topics in Philosophy of Law

Keystone Course

PHI 3681	Ethics, Big Data & Artificial Intelligence
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Exile Studies Certificate Program

James Sutton, *Acting Director and Associate Professor, English*

Coordinating Committee

Michael Patrick Gillespie, *Professor, English*
Bruce Harvey, *Associate Professor, English*
Tometro Hopkins, *Associate Professor, Linguistics*
Kenneth Johnson, *Associate Professor, English*
Asher Z. Milbauer, *Professor, English*

The Exile Studies Certificate Program will provide grounds for entry into the field of otherness through the reading of literary texts created by authors from around the world and suggest venues for comprehension of human differences and commonalities. Literature, as one of the most important forms of human activity, synthesizes and particularizes the rich often traumatic experiences of transplantation. It "has often acted as a sort of deep bridge across geographical borders, cultural mentalities, and ideological divides." Studying the works of transplanted writers through the lenses of scholarly disciplines such as social sciences, arts and humanities, students in the Exile Studies Certificate Program explore the far-reaching universal implications of the phenomenon of exile. This certificate program is open to degree-seeking students only.

The curriculum for the Exile Studies Certificate consists of six courses (18 credits).

Core Requirements

LIT 4224	Exile and Literature: An Interdisciplinary Approach	3
LIT 4253	The Literature of Exile: A Comparative Literary Approach	3
Independent Studies: Supervised Research in any relevant academic department		3

Elective Breadth Requirements**Literature: (3 credits)**

AML 4300	Major American Writers	3
AML 4503	Periods in American Literature	3
AML 4930	Special Topics in American Literature	3
AML 5305	Major American Literary Figures	3
ENG 4121	History of the Film	3
ENG 4132	Studies in the Film	3
ENL 4242	Romanticism II	3
ENL 4303	Major British Writers	3
ENL 4320	Shakespeare: Histories	3
ENL 4341	Milton	3
ENL 4412	Anglo-Jewish Literature: 19 th Century to the Present	3
ENL 4503	Periods in English Literature	3
ENL 4930	Special Topics in English Literature	3
LIT 3170	Topics in Literature and Jewish Culture	3
LIT 3190	Survey of Caribbean Literature	3
LIT 3200	Themes in Literature	3
LIT 3384	Caribbean Women Writers	3
LIT 3673	Migrant Stories: Literature of the Immigration Experience	3
LIT 3674	Literature of the Jewish Immigration Experience	3
LIT 3930	Special Topics	3
LIT 4324	Classical Myth	3
LIT 4351	Major African Writers	3
LIT 4356	Literature of the Cuban Diaspora	3
LIT 4364	Post Totalitarian Literature – GL	3
LIT 4931	Special Topics in Women's Literature	3
FRW 4123	Travel, Exile, and Cross-Cultural Encounters	3
FRW 4750	Francophone Literature of Africa	3
FRW 4751	Francophone Literature in the Caribbean	3
SPT 4813	The Interpreter and Language	3
ENG 4906	Independent Study	1-20

Social Sciences: (3 credits)**Psychology**

DEP 4324	Psychology of Identity Development	3
CLP 2001	Personal Adjustment	3

Politics and International Relations

INR 3043	Population and Society	3
INR 3045	The Global Challenge of Refugees and Migrants	3
INR 4075	International Protection of Human Rights – GL	3
INR 4411	International Humanitarian Law	3
POS 3258	Politics on Film	3
CPO 4726	Ethnicity and Nationality: World Patterns and Problems	3
INR 4054	World Resources and World Order	3
CPO 4053	Political Repression and Human Rights	3
CPO 4057	Political Violence and Revolution – GL	3
POS 4314	American Ethnic Politics	3
CPO 3055	Authoritarians and Democrats	3
CPO 4725	Comparative Genocide	3

Global and Sociocultural Studies

ANT 4473	Culture and Globalization	3
SYD 4237	Immigration and Refugees	3
SYD 4606	World Jewish Communities	3
SYD 4621	Cubans in the U.S.	3
SYD 4700	Racial and Ethnic Relations	3

SYP 4454	Globalization and Society	3
ANT 3610	Language and Culture – <i>GL</i>	3
SYD 3620	Sociology of Miami	3

Religious Studies

REL 3112	Religion and Literature	3
REL 3220	Moses, Priests and Prophets	3
REL 3325	Religions of Classical Mythology	3
REL 3607	Judaism	3
REL 3194	The Holocaust	3
REL 3308	Studies in World Religions – <i>GL</i>	3
REL 3111	Religion in Film – <i>GL</i>	3
REL 3282	Archaeology of Israel	3
REL 3320	Moses, Jesus, Muhammad	3
REL 3344	Tibetan Buddhism	3
REL 3367	Islamic Faith and Society – <i>GL</i>	3
REL 3695	The Golden Age of Sephardic Jewry	3
REL 4224	The Prophets and Israel	3

History

AMH 3331	American Intellectual History I	3
AMH 3332	American Intellectual History II	3
AMH 4930	Topics in U.S. History	3
EUH 3576	The Russian Revolution and the Soviet Union	3
EUH 3611	European Cultural and Intellectual History	3
EUH 4033	Nazism and the Holocaust	3
EUH 4462	History of Modern Germany – <i>GL</i>	3
HIS 3308	War and Society	3
WOH 3281	Jewish History to 1750	3
WOH 3282	Modern Jewish History	3
WOH 4230	The African Diaspora and the Atlantic Slave Trade	3
WOH 4301	The Modern African Diaspora	3
LAH 4471	Colonial Caribbean in Comparative Perspective	3

Arts/Humanities (3 credits)**Art and Art History**

ARH 4430	Art and Politics	3
ARH 4610	American Art	3
ARH 4470	Contemporary Art – <i>GL</i>	3

Architecture

ARC 3031	Miami in Film	3
ARC 3741	Urban Architecture and the 20 th Century	3
ARC 3797	Hotels: Miami and La Habana at Mid-Century	3
ARC 4030	Film and the Architecture of Modern Life	3
ARC 4752	Architectural History of the Americas	3
ARC 4755	The Architecture of the City	3

Theatre

THE 4110	Theatre History I – <i>GL</i>	3
THE 4111	Theatre History II	3
THE 4314	Classical Dramatic Literature	3
THE 4370	Modern Dramatic Literature	3

Music

MUH 3019	History of Popular Music in the U.S.	3
MUH 3514	Music of the World – <i>GL</i>	3

Linguistics

LIN 4624	Bilingualism and Language Policies	3
LIN 4722	Problems in Language Learning	3
LIN 4710	Language Acquisition	3

LIN 5601	Sociolinguistics	3
LIN 5720	Second Language Acquisition	3
LIN 5825	Pragmatics	3

Graduate Linguistics courses require the permission of the instructor

Humanities

HUM 2512	Art and Society	3
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In addition to the courses listed above, other courses may be applied/accepted with the approval of the Certificate Director.

Film Studies Certificate Program

The Film Studies Certificate Program enables students to obtain an interdisciplinary concentration in film studies. The certificate program will enable students to study this important field in a rigorous systematic fashion. Film is the major art form and communication medium that transmits culture, influences society, and both reflects and shapes human conduct. Furthermore, film links diverse cultures through depiction of national societies and through language exposure. The Certificate in Film Studies will therefore give recognition to a significant medium that generates innovative theoretical, historical, literary and creative methodologies. The certificate will enhance interdisciplinary connections among Modern Languages, English, Sociology, Anthropology, Architecture, Visual Arts, History, Religious Studies and other departments. Students will have a unique opportunity to access new films, film archives, film makers, internships and related benefits. This certificate will complement studies in other fields and enable students to obtain an intellectual background in the theories and methodologies of film culture. Moreover, it will enhance students' visual literacy and competency. This certificate program is open to degree-seeking students only.

This program will require 18 credit-hours (6 courses) from the following certificate course listing, or others approved by the certificate program advisor. These courses should be understood as a partial list; students should consult with the advisor of the certificate program about current course offerings. Students are required to take a minimum of two courses from departments other than English.

Requirements

FIL 3006	Introduction to Film Studies
ENG 4121	History of Film

Twelve (12) elective credits from the following partial list:

ARC 4030	Film and the Architecture of Modern Life	3
ENC 4355	Writing About Film	3
ENG 3138	The Movies	3
ENG 4319	Film Humor and Comedy	3
ENG 4132	Studies in the Film	3
ENG 4134	Women and Film	3
ENG 4135	The Rhetoric of Cinema	3
FIL 4940	Internship in Film Studies	1-12
ENG 6935	Special Topics in College Pedagogy (when film is the topic)	3
CRW 5620	Advanced Screenwriting Workshop	3
AMH 3317	America and the Movies	3

LAH 4734	Latin American History Through Film – <i>GL</i>	3
HUM 4580	Film and the Humanities	3
FIL 5825	Spanish Film	3
FIL 5846	Latin American Film	3
FRE 4391	French Cinema	3
POW 4390	Brazilian Cinema	3
SPW 4391	Contemporary Spanish Cinema	3
SPW 4580	El Dorado in Hispanic Literature and Film	3
SPW 5781	The Representation of Women in Spanish Literature and Film	3
SPW 6495	The Latin American Experience Through Literature and Film	3
REL 3111	Religion in Film – <i>GL</i>	3
SYP 4631	Sociology Through Film	3
ARH 4905	Directed Studies (when offered as film studies)	1-6
ARH 5907	Directed Studies (when offered as film studies)	1-6
FIL 2000	Introduction to Film-Making	3
FIL 3201C	Film Technique I	3
FIL 4204	Film Technique II	3

Forensic Science Certificate Program

Anthony P. DeCaprio, *Director, Chemistry/IFRI*

Coordinating Committee

Jose R. Almirall, *Chemistry/IFRI*

W. Clinton Terry, *Criminal Justice*

Jeffrey D. Wells, *Biological Sciences*

Administered by the International Forensic Research Institute (IFRI) the Certificate in Forensic Science is designed to provide a focus for those students who are interested in pursuing a laboratory career in the forensic sciences. The program is available to FIU B.S. students majoring in chemistry or biology who wish to enter the field of forensic science. The program also allows FIU B.A. students and other persons in the community who have already earned a B.S. or B.A. in chemistry, biology, or a natural science from another institution to work toward and receive a Certificate in Forensic Science. The FIU Certificate in Forensic Science program is accredited by the Forensic Science Education Programs Accreditation Commission (FEPAC) provided that it is accompanied by a B.S. degree in chemistry or biology from FIU.

The field of forensic science is interdisciplinary and requires significant training in the natural sciences. The prerequisites for admission into the Forensic Science Certificate Program are as follows: 1 calculus course, 1 statistics course, 1 general biology course with lab, 2 physics courses with labs, 2 general chemistry courses with labs, 2 organic chemistry courses with labs, 1 analytical chemistry course with lab, and 1 biochemistry course. Upon completion of the prerequisites and the following additional forensic coursework, the student may be awarded the Certificate. The certificate will be awarded at the time of awarding the Bachelor's degree, or upon completion of this work if the student already has a Bachelor's degree. The program consists 19-20 credits as detailed below. This certificate is open to degree- and non-degree seeking students only.

Requirements

Required Courses: (16 credits)

CHS 3501	Survey of Forensic Science	3
CHS 3501L	Survey of Forensic Science Laboratory	1
CHS 4503C	Forensic Science	3
	or	
CHM 5542	Forensic Chemistry	3
CHS 3511C	Forensic Evidence	3
	or	
CHS 5535	Forensic Analysis	3
BSC 4401	Principles of Forensic Biology	3
	or	
BSC 5406	Forensic Biology	3
CHS 4591	Forensic Science Internship	3
	or	
CHS 6946	Graduate Forensic Internship	3

Elective course: (3-4 credits) chosen from the following or others in consultation with the Program Director:

PCB 4524	Molecular Biology	3
PCB 4524L	Molecular Biology Lab	1
PCB 3063	Genetics	3
PCB 3063L	Genetics Lab	1
BOT 1010	Introductory Botany	3
CHM 4130	Instrumental Analysis	3
CHM 4130L	Instrumental Analysis Lab	2
CHS 5539	Forensic Toxicology	3
CHS 5538C	Chemistry and Analysis of Drugs	3
CCJ 2020	Introduction to Criminal Justice	3
CCJ 3651	Drugs and Crime	3
CCJ 4225	The Courts and Forensic Science	3
GLY 3039	Environmental Geology	3
SOP 4842	Legal Psychology	3

Health Humanities Certificate Program

Coordinating Committee

Jessica Adler, *History and Public Health*

M. Alexandra Cornelius, *Center for Women's and Gender Studies*

Mark Padilla, *Global and Sociocultural Studies*

Laurie Shrage, *Philosophy*

Paul Feigenbaum, *English*

The Certificate in Health Humanities provides a curricular structure through which Humanities, Social Science, Public Health, Nursing, Pre-Med and Pre-Health Professions majors may study medical and health related issues from interdisciplinary perspectives. Students will study health, medicine, and healing in Humanities based courses already offered in English, Global Sociocultural Studies, History, The Honors College, Liberal Studies, Philosophy, and Psychology. Students who earn the certificate will share across disciplines their genuine interest in the transdisciplinary field of Health Humanities, develop research and analytical skills, acquire expertise in communicating with diverse communities, and concretize career pathways in professions associated with Health Humanities and health care. The Certificate in Health Humanities is ideal not only for students who plan to pursue careers in public health, nursing, and medicine, but also for students interested in studying health concerns

from historical, literary, anthropological, and other humanities based perspectives.

Requirements: (18 credits)

6 of the following courses:

ANT 3462	Medical Anthropology
ANT 4461	Hallucinogens and Culture
ANT 4480	Anthropological Approaches to Global Health
ENC 3363	Writing about the Environment
ENC 3311	Advanced Writing and Research
ENC 4241	Scientific Writing
ENC 4260	Advanced Professional Writing
ENC 3354	Writing as Social Action
ENC 4331	Writing, Rhetoric, and Community
ENC 4357	How to Go Public
ENC 3378	Writing across Borders
ENC 4405	Queer Rhetorics
ENL4215	Medieval Monstrosity
CLP 4314	Psychology of Health and Illness
CYP 3003	Introduction to Community Psychology
DEP 2000	Human Growth and Development
DEP 3909	Psychology of Adulthood
PSB 4002	Introductory Biopsychology
PSY 2012	Introduction to Psychology
IDS 3183	Health without Borders
IDS 3189	International Nutrition, Public Health, and Economic Development
HSA 3412	Cultural Competency in Health Sciences
LIT 4403	Literature among the Arts and Sciences
LIT 4420	The Psychological Novel
LIT 4606	Literature of the Sea
AMH 3314	Public Health and Medicine in United States History
AMH 4671	Race, Gender and Science in the Atlantic World
EUH 3193	The Black Death
HIS 4315	Gendered History of the Body
HIS 4492	History of United States Health Policy
LAH 4722	Health, Medicine, and Disease in Latin American Social History
PHI 3320	Philosophy of Mind
PHI 3400	Philosophy of Science
PHI 3454	Philosophy of Biology
PHI 3601	Ethics
PHI 3638	Contemporary Ethical Issues
PHI 4635	Biomedical Ethics
PHG 3101	Introduction to Public Health
SYO 3400	Health and Medicine in Society
SYO 3401	Health Behavior
SYO 4420	Comparative Health Systems
SYP 4013	The Body in Society
SYP 4730	Aging in Society
STP 4730	Sociology of Death

Law, Ethics and Society Certificate Program

Kenton Harris, *Director*

Coordinating Committee

Sean Allen-Hermanson, *Philosophy*

Paul Warren, *Philosophy*

This program offers a course of studies in the broad field of normative or value issues. The program seeks to develop a curriculum which will study these issues from a variety of perspectives. From philosophy we offer courses in ethical theory, social and political theory and various applied ethical courses—courses in medical ethics, business ethics, environmental ethics and so on. From political science the student sees how normative issues are considered in law and politics. In this context it is appropriate to have courses dealing with constitutional interpretation of rulings like affirmative action, environmental regulation and the like. From sociology and anthropology, psychology, and Women and Gender Studies, the student takes courses dealing with how values are incorporated in our society and how such values compare to other societies around the world. This certificate program is open to degree-seeking students only.

Requirements

Required Courses:

1. The certificate requires six (3 credit) courses from the following lists.
2. Two core (starred) courses are required.
3. Of the six courses, including core courses, at least one course must be taken from each of the following categories—Ethics, Law, & Legal Reasoning, and Society

Law & Legal Reasoning

CJL 3512	The Courts
ECO 4703	International Trade Theory and Policy
ENC3465	Legal Writing
EVR 4352	US Environmental Policy
EVR 4356	Coastal and Marine Environmental Policy
INR 3403	International Law
MMC 4200	Mass Media Law and Ethics
PHI 2100	Introduction to Logic (†)
PHI 2103	Critical Thinking (†)
PHH 3410	Philosophy of the Enlightenment
PHM 3400	Philosophy of Law*
PHM 4430	Topics in Philosophy of Law
POS 3283	The Judicial Process
POS 3603	Constitutional Law: Powers*
POS 3604	Constitutional Law: Limit*
POS 3652	Law and the Legal Profession
POS 4606	U.S. Supreme Court
POT 3054	Modern Political Theory
WST 4115	Gender Violence and Law: Global Perspectives

Ethics

CPO 4053	Political Repression and Human Rights
INR 4075	International Protection of Human Rights
INR 4091	Ethical Problems in International Relations
PHI 2600	Introduction to Ethics
PHI 3601	Ethics*
PHI 3638	Contemporary Ethical Issues*
PHI 3640	Environmental Ethics
PHI 4633	Biomedical Ethics
PHM 3200	Social and Political Philosophy

PHM 4360	Topics in Political Philosophy
Society	
CPO 4047	Politics of North American Cooperation
CPO 4057	Political Violence and Revolution – <i>GL</i>
CPO 4062	Comparative Judicial Politics
CPO 4394	Race and Politics in the Americas
ECP 3541	Law and Economics
INR 3081	Contemporary International Problems
LAH 3718	History of US-Latin American Relations
PAD 4046	Public Values, Ethics and Morality in a Changing Environment
PHM 4123	Philosophy and Feminism*
PHM4125	Philosophy of Gender and Race*
PHM 4362	Global Justice*
PHM 4510	Marxism
POT 3302	Political Ideologies
PSY 4842	Legal Psychology
PSY 4930	Advanced Special Topics in Psychology (depending on topic- e.g. Children and the Law, Psychology of Wrongful Convictions*)
SYG 3325	Deviance in Society
SYP 3520	Criminology
SYP 3550	Juvenile Delinquency

(†) Either PHI2100 or PHI2103, but not both.

Linguistic Studies Certificate Program

Ana Luszczyńska, *Interim Program Director*

Coordinating Committee

Melissa Baralt, *Modern Languages*

Jean-Robert Cadely, *Modern Languages*

Phillip M. Carter, *English*

Tometro Hopkins, *English*

Yaobin Liu, *English*

Peter Machonis, *Modern Languages*

Bennett Schwartz, *Psychology*

Mehmet Yavas, *English*

In addition to an M.A. in Linguistics, the Linguistics Program at Florida International University offers a Certificate in Linguistics. The Certificate is designed to meet the needs of those who have a general interest in linguistics, as well as those for whom work in linguistics would assist in career planning or advancement. Both undergraduate and graduate students are eligible to earn the certificate. This certificate program is open to both degree- and non-degree seeking students.

A student can acquire a Certificate in Linguistic Studies by successfully completing at least six courses in linguistics or linguistics-related courses, totaling eighteen credit hours. Students should consult a certificate advisor in selecting courses.

Requirements

All students must complete one introductory course and one structure course from the courses listed below for a total of six credit hours:

A minimum of one course from each of the following groups:

Introductory Courses

LIN 3010	General Linguistics	3
LIN 3013	General Linguistics	3
LIN 5018	Introduction to Linguistics	3

Structure Courses

LIN 4680	Modern English Grammar	3
FRE 4800	French Morphology	3
SPN 4802	Contrastive Syntax	3
LIN 5501	English Syntax	3

Four additional courses: (12)

In addition to the required courses stated above, all students must complete an additional four courses totaling twelve credits. Any course with an LIN prefix fulfills this requirement with the exception of LIN 3670 - Grammatical Usage. Linguistics courses with FOL, FRE, POR, and SPN prefixes also fulfill this requirement. Permission must be received from the Program Director to take courses with these prefixes. PHI 4221 (Philosophy of Language) and MHF 4302 (Mathematical Logic) also fulfill this requirement.

In addition to the requirements noted above, all of the requirements for obtaining a bachelor's degree from the University must be met, or the student must already possess a bachelor's degree.

With the advice of the Coordinating Committee, the student is encouraged to attain some degree of proficiency in a language other than his or her native language.

A Coordinating Committee representing various fields advises students and grants the Certificate.

Professional and Public Writing Certificate Program

Kimberly Harrison, *Director of Writing Programs*

Maheba Pedroso, *Certificate Director*

The Undergraduate Certificate in Professional and Public Writing is an 18-hour program open to degree-seeking students only. Firmly grounded in rhetoric, the certificate provides an opportunity for students interested in improving their writing skills in preparation for their professional careers and civic responsibilities. Students will be advised to select courses based upon their professional interests. They might focus the certificate in areas such as technical writing, scientific and environmental writing, or community-based writing.

To receive a Writing Certificate, a student must complete the required 18 credit hours with an average grade of "B" or better. Up to six credit hours of course work may be transferred from other institutions.

Required Hours: 18 hours

Prerequisites: ENC 1101 and 1102 or equivalent. Transfer students who take ENC 2304 and an additional 3000 level ENC class (either ENC 3311 or 3213) to fulfill core curriculum ENC requirements must take an additional fifteen hours above core requirements to earn the certificate.

Students choose 6 courses from the selections below:

Required Course: (3 credits)

ENC 3371	Rhetorical Theory and Practice	3
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Digital Literacy (3 credits)

CGS 2060	Introduction to Microcomputers	3
CGS 2518	Computer Data Analysis	3
COP 3835	Designing Web Pages	3

Writing Electives (12 credits)

ENC 3213	Professional and Technical Writing	3
ENC 3311	Advanced Writing and Research	3
ENC 3334	Introduction to Writing Studies	3
ENC 3354	Writing as Social Action	3
ENC 3363	Writing about the Environment	3
ENC 3378	Writing Across Borders	3
ENC 3416	Writing & New Media	3
ENC 3491	The Processes of Writing	3
ENC 4241	Scientific Writing	3
ENC 4260	Advanced Professional Writing	3
ENC 4331	Writing, Rhetoric, and Community	3
ENC 4355	Writing about Film	3
ENC 4357	How to Go Public	3
ENC 4373	Alternative Writing and Rhetorics	3
ENC 4405	Queer Rhetorics	3
CRW 4211	Writing Creative Non-Fiction	3
LIN 4680	Modern English Grammar	3
ENC 4930	Special Topics in Composition	3
SPN 3440	Spanish Business Composition/Correspondence	3

Note: In addition to the courses listed above, other classes may be accepted at the discretion of the certificate directors.

The Professional and Public Writing Certificate Program is also available to fully online students.

Queer Studies Certificate Program

M. Alexandra Cornelius, *Director and Associate Teaching Professor, Center for Women's and Gender Studies*

R. Gabriel Mayora, *Assistant Teaching Professor, Women's and Gender Studies/ English*

The Certificate in Queer Studies will empower students to learn through a rigorous study of the experiences of queer individuals and communities globally from historical, literary, sociological, religious, psychological and anthropological perspectives. Working across disciplinary fields, the program will encourage students to investigate how non-normative or minority sexual identities intersect with other categories of identity, such as race, gender, class, nation, ethnicity, and disability. This certificate program is open to degree-seeking students only.

Requirements: (18 credits)**Core Class: 3 credits**

WST 3641	Introduction to LGBTQ+ Studies – GL	3
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Electives: Select Five Classes (15 credits)

Advisors within Women's and Gender Studies will aid in directing students to courses supporting LGBT/Queer studies offered by Women's and Gender Studies affiliated faculty. Students can, therefore, choose courses from across a range of disciplines. Possible courses include:

AFA 4372	Race, Gender and Sexuality in Hip Hop – GL	3
AFS 3332	Genders and Sexualities in Sub-Saharan African Contexts	3
ANT 3302	Sex, Gender, & Culture	3
ENC 4930	Special Topics (Queer Rhetorics)	3
ENG 4141/		

WST 4334	Queer Cinema	3
ENG 4845	Queer Studies: Literature, Culture and Theory	3
HIS 4315/	Gendered History of the Body	3
WST 4930		
LIT 4930	Special Topics (Gender and Sexuality in the European Renaissance)	3
PHM 4020	Love and Sexuality	3
POT 4309	Sex, Power and Politics	3
PRT 4430	LGBTQ Culture in Brazil	3
REL 3171	Sex and Religion	3
REL 4434	Religion and Queer Theory	3
SOP 4774	Female Sexuality	3
SYD 3804	Sociology of Gender – GL	3
SYG 3325	Deviance in Society	3
SYG 4060	Sociology of Sexuality	3
WST 3106	Introduction to Global Diversity	3
WST 3644	Introduction to Transgender Studies	3
WST 4504	Feminist Theory	3
WST 4905	Independent Study	3
	or	

Independent Study: Supervised research in any relevant field or discipline after approval by the advisor.

Note: In addition to the courses listed above, other classes may be accepted at the discretion of the certificate directors.

Women's and Gender Studies Certificate Program

M. Alexandra Cornelius, *Director and Associate Teaching Professor, Center for Women's and Gender Studies*

Victoria Burns, *Assistant Teaching Professor, Women's and Gender Studies*

R. Gabriel Mayora, *Assistant Teaching Professor, Women's and Gender Studies/ English*

Michaela Moura-Koçoğlu, *Assistant Teaching Professor, Women's and Gender Studies*

Jessy Abouarab, *Visiting Assistant Professor, Women's and Gender Studies*

The Women's and Gender Studies Undergraduate Certificate provides an opportunity for students to integrate scholarship about women and gender differences from a variety of disciplines into a coherent program of study. This certificate program is open to degree-seeking students only. The Certificate Program includes a core of required courses central to an understanding of gender issues in a social and historical context. The courses provide a basic grounding in Women's and Gender Studies that should be useful in many majors and in preparation for graduate study and professional training. The core courses are supplemented by a variety of electives to be chosen according to the student's specific interests. Students may enroll in the Certificate Program or take courses as electives. For a list of course offerings, see the section 'Academics' on our website at: <http://cwgs.fiu.edu/>.

The program also offers a Bachelor of Arts in Women's and Gender Studies. For information about the major,

refer to the Women's and Gender Studies section in the Arts and Sciences undergraduate major section.

The Center is located in DM 212, Modesto A. Maidique Campus, (305) 348-2408. Students may contact the Center for Women's and Gender Studies at the above location, or by email: wstudies@fiu.edu.

Requirements

A student may acquire the Certificate in Women's and Gender Studies by fulfilling the following requirements:

I. Certificate Core Requirements

(Select 3 courses. May also be used as electives)

AMH 3560	History of Women in the U.S. (or any approved History elective)
CLP 4314*	Psychology of Health and Illness – GL
ECS 3021*	Women Culture and Economic Development – GL
REL 3145*	Women and Religion
POS 4072	Women in Politics
SOP 3742*	Psychology of Women
SOP 4774*	Female Sexuality
SYD 3804*	Sociology of Gender – GL
WST 3011	Understanding and Preventing Campus Sexual Assault
WST 3015*	Introduction to Global Gender and Women's Studies – GL
WST 3106	Introduction to Global Diversity – GL
WST 3114/ INR 4931	Sex Trafficking Solutions – GL
WST 3120	Global Women's Writing – GL
WST 3641*	Introduction to LGBTQ+ Studies – GL
WST 3644	Introduction to Transgender Studies
WST 3710	Title IX: Sports, Sex and Equality on Campus
WST 4115	Gender Violence and the Law: Global Perspectives – GL
WST 4230/ LIT 4931	Women Write Empire
WST 4504	Feminist Theory
WST 4617	Gender and Genocide – GL
WST 4420	Latinx Feminisms
WST 4905	Independent Study ¹
WST 4930*	Special Topics (online availability depends on the topic)
WST 4931	Women in Leadership
WST 4940	Internship

(Must be approved by the director. Please visit our website for eligibility criteria and application procedures at <http://cwgs.fiu.edu/>)

¹Off campus, local, national and international options will be considered.

* These courses are also available online.

II. Approved Electives² (Select 3 courses)

²Below are some examples of our approved electives. To see the complete list of electives every semester, please visit our website:

<http://cwgs.fiu.edu/>.

AFA 4372	Race, Gender and Sexuality in Hip Hop – GL
AML 4300**	Major American Writers
AML 4503	Periods in American Literature
AML 4606**	Studies in 19th-Century African

AML 4607**	American Literature Studies in 20th-Century African American Literature
AML 4624	African American Women Writers
AML 4930**	Special Topics in American Literature
ANT 3302	Sex, Gender, & Culture
ARH 4871	Women and Art
CCJ 3666	Victimology
CCJ 4663	Women, Crime and the Criminal Justice System
CCJ 4694	Human Trafficking
CLP 4314	Psychology of Health and Illness – GL
DEP 3305	Psychology of Adolescence
DEP 4014	Psychology of Parenting and Parenthood
ENG 4134	Women And Film
ENL 3261	19th Century British Women Novelists
ENL 4212	Medieval Women Writers
ECP 3254	Women, Men, and Work in the USA
EUH 4610	Women and Gender in Europe, 1750-Present
FIL 4881	Hispanic Culture: Women and Film
FRW 4583	Women Writers
HIS 4930**	Special Topics
HIS 4935	Senior Seminar
INR 4085	Women and Men in International Relations
LAH 4721	History of Women in Latin America – GL
LBS 4154	Workers and Diversity – GL
LBS 4210	Women And Work – GL
LIT 3384	Caribbean Women Writers
LIT 4536	Multi-cultural Working Class Women's Literature
LIT 4930**	Special Topics
LIT 4931	Special Topics in Women's Literature
MAN 4102	Managing Diversity
PHM 4020	Love and Sexuality
PHM 4123	Philosophy and Feminism
POS 4073	The Military and the Citizen
POT 4309	Sex, Power and Politics
REL 3171	Sex and Religion
REL 4105	Latino/a Immigration and Religion
REL 4364	Interpreting the Quran: Gender and Jihad – GL
SOP 4731	Global Psychology
SOP 4745	Women and Leadership
SPC 3711	Gender and Communication
SYD 4800	Theories of Gender & Society
SYG 4060	Sexualities & Society
SYO 3120	Families and Social Change
SYP 3456	Societies in the World
WST 4272	History of Women and Gender in the Modern Middle East
WST 4334	Queer Cinema
WST 4642	Gender and Sexuality in Islamic Cultures

**These courses are subject to approval on a semester by semester basis.