# Program

# BAR01 - Edit Program - INTAFR-MIA - Academic Program Action - Change

# Action Detail

**Institution**
Baruch College

**Action**
Changes to the Curriculum

**Degree Designation**
MIA - Master of International Affairs

**Summary**
Students choose approved concentration electives to fulfill each's requirements. The addition of the course to the approved list of electives enables each concentration's students to more readily enroll in the class.

**NYSED Form**
-

**Distance Education Application**
-

**Attachments**
Marxe March 2024 AURD action - MIA elective.docx

# Program Details

**Official Name of Program**
International Affairs

**CIP Code**
45.0901

**HEGIS Code**
2210.00

**Field of Study (IRP)**
37904

Baruch College
**Academic University Report Detail**

## PART A: ACADEMIC MATTERS

The following recommendations of the Curriculum Committee were approved at the Marxe School of Public and International Affairs Faculty Meeting on December 14, 2023. They will be effective for the Fall 2024 semester, pending approval of the Board of Trustees.

### AIII: Changes in Degree Programs

AIII.1.1 The following changes are proposed for the Master of International Affairs program in the Marxe School of Public and International Affairs.

**Program Code:** 37904
**HEGIS Code:** 2210.00
**Effective:** Fall 2024

| From | | | To | | |
|---|---|---|---|---|---|
| **Course** | **Description** | **Crs** | **Course** | **Description** | **Crs** |
| **Requirements of the Master of International Affairs- MIA degree with a Concentration in International Non-Governmental Organizations (INGO)** | | | **Requirements of the Master of International Affairs- MIA degree with a Concentration in International Non-Governmental Organizations (INGO)** | | |
| Required Courses (24-27 credits) | | | Required Courses (24-27 credits) | | |
| PAF 9140 | Budgeting and Financial Analysis I | 3 | PAF 9140 | Budgeting and Financial Analysis I | 3 |
| PAF 9181 | Comparative Public Policy and Administration | 3 | PAF 9181 | Comparative Public Policy and Administration | 3 |
| PAF 9184 | International Institutions and Global Governance | 3 | PAF 9184 | International Institutions and Global Governance | 3 |
| PAF 9270 | Data Collection and Description | 3 | PAF 9270 | Data Collection and Description | 3 |
| PAF 9271 | Data Analysis for Public Service | 3 | PAF 9271 | Data Analysis for Public Service | 3 |
| OR | OR | | OR | OR | |
| PAF 9272 | Causal Analysis and Inference | | PAF 9272 | Causal Analysis and Inference | |

| | | |
|---|---|---|
| PAF 9415 | International Economics | 3 |
| PAF 9420 | Global Communication | 3 |
| PAF 9490 | International Affairs Capstone Seminar | 3 |
| *PAF 9195 | Public Affairs Internship | 3 |
| | | |
| *INGO Concentration Required Courses (6 credits)* | | |
| PAF 9183 | International Nonprofit Organizations | 3 |
| PAF 9151 | Administration of the Nonprofit Sector | 3 |
| OR | OR | |
| PAF 9174 | Program Evaluation | |
| *INGO Concentration Elective Courses (12 credits)* | | |
| *9 credits from list below plus 3 credits either from list below or from another graduate program with advisor approval* | | |
| PAF 9109 | Government Contracting | 3 |
| PAF 9120 | Public and Nonprofit Management I | 3 |
| PAF 9150 | Introduction to the Nonprofit Sector | 3 |
| PAF 9151 | Administration of the Nonprofit Sector and Voluntary Agencies | 3 |
| PAF 9152 | Fundraising and Grants Administration in Nonprofit and Voluntary Organizations | 3 |
| PAF 9153 | Budgeting and Finance for Nonprofits | 3 |
| PAF 9155 | Governing without Government | 3 |
| PAF 9156 | Emergency Preparation, Response, and Recovery | 3 |
| PAF 9157 | Introduction to Philanthropy | 3 |
| PAF 9165 | Race, Inequality, and Public Policy | 3 |
| PAF 9174 | Program Evaluation | 3 |
| PAF 9177 | Advanced Quantitative Methods | 3 |
| PAF 9180 | Policy Analysis | 3 |
| PAF 9182 | Development Administration | 3 |

| | | |
|---|---|---|
| PAF 9415 | International Economics | 3 |
| PAF 9420 | Global Communication | 3 |
| PAF 9490 | International Affairs Capstone Seminar | 3 |
| *PAF 9195 | Public Affairs Internship | 3 |
| | | |
| *INGO Concentration Required Courses (6 credits)* | | |
| PAF 9183 | International Nonprofit Organizations | 3 |
| PAF 9151 | Administration of the Nonprofit Sector | 3 |
| OR | OR | |
| PAF 9174 | Program Evaluation | |
| *INGO Concentration Elective Courses (12 credits)* | | |
| 9 credits from list below plus 3 credits either from list below or from another graduate program with advisor approval | | |
| PAF 9109 | Government Contracting | 3 |
| PAF 9120 | Public and Nonprofit Management I | 3 |
| PAF 9150 | Introduction to the Nonprofit Sector | 3 |
| PAF 9151 | Administration of the Nonprofit Sector and Voluntary Agencies | 3 |
| PAF 9152 | Fundraising and Grants Administration in Nonprofit and Voluntary Organizations | 3 |
| PAF 9153 | Budgeting and Finance for Nonprofits | 3 |
| PAF 9155 | Governing without Government | 3 |
| PAF 9156 | Emergency Preparation, Response, and Recovery | 3 |
| PAF 9157 | Introduction to Philanthropy | 3 |
| <u>PAF 9164</u> | <u>Social and Community Entrepreneurship</u> | <u>3</u> |
| PAF 9165 | Race, Inequality, and Public Policy | 3 |
| PAF 9174 | Program Evaluation | 3 |
| PAF 9177 | Advanced Quantitative Methods | 3 |

| | | |
|---|---|---|
| PAF 9185 | Environmental Policy | 3 |
| PAF 9186 | Map Making for Public Policy | 3 |
| PAF 9199 | Selected Topics in Public Affairs | 3 |
| PAF 9201 | Mobilizing Digital Communication | 3 |
| PAF 9299 | Selected Topics in Nonprofit Management | 3 |
| PAF 9410 | Global Economic Governance: Pacts, Actors, and Regimes | 3 |
| PAF 9411 | Comparative Urban Policy and Governance | 3 |
| PAF 9416 | Global Growth | 3 |
| PAF 9417 | Emerging Markets | 3 |
| PAF 9425 | Western Hemisphere Affairs: Past, Present, and Future | 3 |
| PAF 9426 | Illicit Trade | 3 |
| PAF 9430 | Diaspora, Migration, and Transnational Life in the Western Hemisphere and Beyond | 3 |
| PAF 9431 | The Policy Implications of Global Climate Change | 3 |
| PAF 9433 | Race, Ethnicity, and Nationalism | 3 |
| PAF 9434 | Political Violence | 3 |
| PAF 9435 | Security in the Western Hemisphere: A Multi-Dimensional Approach | 3 |
| PAF 9436 | International Security and the Liberal World Order | 3 |
| PAF 9437 | US Foreign Policy and National Security Structure | 3 |
| PAF 9450 | International Development | 3 |
| PAF 9699 | Selected Topics in Public Policy | 3 |
| PAF 9730 | Comparative Health Systems | 3 |
| PAF 9799 | Selected Topics in Health Policy | 3 |

| | | |
|---|---|---|
| PAF 9180 | Policy Analysis | 3 |
| PAF 9182 | Development Administration | 3 |
| PAF 9185 | Environmental Policy | 3 |
| PAF 9186 | Map Making for Public Policy | 3 |
| PAF 9199 | Selected Topics in Public Affairs | 3 |
| PAF 9201 | Mobilizing Digital Communication | 3 |
| PAF 9299 | Selected Topics in Nonprofit Management | 3 |
| PAF 9410 | Global Economic Governance: Pacts, Actors, and Regimes | 3 |
| PAF 9411 | Comparative Urban Policy and Governance | 3 |
| PAF 9416 | Global Growth | 3 |
| PAF 9417 | Emerging Markets | 3 |
| PAF 9425 | Western Hemisphere Affairs: Past, Present, and Future | 3 |
| PAF 9426 | Illicit Trade | 3 |
| PAF 9430 | Diaspora, Migration, and Transnational Life in the Western Hemisphere and Beyond | 3 |
| PAF 9431 | The Policy Implications of Global Climate Change | 3 |
| PAF 9433 | Race, Ethnicity, and Nationalism | 3 |
| PAF 9434 | Political Violence | 3 |
| PAF 9435 | Security in the Western Hemisphere: A Multi-Dimensional Approach | 3 |
| PAF 9436 | International Security and the Liberal World Order | 3 |
| PAF 9437 | US Foreign Policy and National Security Structure | 3 |
| PAF 9450 | International Development | 3 |
| PAF 9699 | Selected Topics in Public Policy | 3 |

| | | |
|---|---|---|
| IBS 9761 | Emerging Markets and the International Business Environment | 3 |
| IBS 9767 | Global Firms, Cultures, and Governments | 3 |
| CIS 9230 | Globalization and Technology | 3 |

* The internship is required of candidates who have less than 1-year relevant international work experience

Total credits required for the INGO Concentration in the Masters of International Affairs program 42-45

| | | |
|---|---|---|
| PAF 9730 | Comparative Health Systems | 3 |
| PAF 9799 | Selected Topics in Health Policy | 3 |
| IBS 9761 | Emerging Markets and the International Business Environment | 3 |
| IBS 9767 | Global Firms, Cultures, and Governments | 3 |
| CIS 9230 | Globalization and Technology | 3 |

* The internship is required of candidates who have less than 1-year relevant international work experience

Total credits required for the Masters of International Affairs program 42-45

Rationale: Students choose approved concentration electives to fulfill each's requirements. The addition of the course to the approved list of electives enables each concentration's students to more readily enroll in the class.

# Course

# BAR01 - Edit Course - BIO1011 - Course - Change Course Data

# Course Description

**Institution**
Baruch College

**Course Title**
Fundamentals of Biology: Human Biology Lecture

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

# Course Details

**Catalog Description**
This is a lecture course that provides an introduction to biological principles of homeostasis and cellular and organ system structure and function, with particular focus on the human organism. Classes are organized into lecture and in-class activities with discussions of articles and areas of current research interest. Grades are based on exams and written assignments related to articles discussed in class. (Not open to students who have completed BIO 1005 or BIO 2010. Students who plan to major in Biological Sciences are advised to take BIO 2010 and BIO 3001.)

# Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

| Liberal Arts | Pathways | College Option |
|---|---|---|
| Yes | Yes | No |

**Requirement Designation**
RLA_FC_ScientificWorld

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

| Subject Area | Catalog Number |
|---|---|
| BIO | 1011 |

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Natural Sciences

**Pre-Requisites / Co-Requisites**
Not open to students who have completed BIO 1005 or BIO 2010.

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
ERRATA: This curriculum change removes the prerequisite and co-requisite from this course and enables students to register without departmental permission. We have removed the Lecture (L) designation from the course number, as differentiating Lecture and Lab with an L is confusing. We have changed the course description to reflect these changes. BIO 1011 is being changed to a 3-hour lecture course; the recitation is being removed.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - Edit Course - BIO1015 - Course - Change Course Data

## Course Description

**Institution**
Baruch College

**Course Title**
Fundamentals of Biology - Genetics, Evolution, and Ecology

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
Fundamental principles underlying the science of biology are studied to convey an understanding of genetics, evolutionary trends among the kingdoms, and the interaction of organisms with the environment. Topics include: Cell division, Mendelian genetics, evolution by natural selection and genetic drift, diversity of organisms and their classification, plant structure and nutrition, and the ecology of populations, communities, and ecosystems. (Not open to students who have completed BIO 1003 or BIO 3001. Students who plan to major in Biological Sciences are advised to take BIO 2010 and BIO 3001.)

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

**Liberal Arts**
Yes

**Pathways**
Yes

**College Option**
No

**Requirement Designation**
RLA_FC_ScientificWorld

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

**Subject Area**
BIO

**Catalog Number**
1015

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Natural Sciences

**Pre-Requisites / Co-Requisites**
Not open to students who have completed BIO 1003 or BIO 3001.

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
Rationale: This curriculum change removes the prerequisite and co-requisite from this course and enables students to register without departmental permission. We have removed the Lecture (L) designation from the course number, as differentiating Lecture and Lab with an L is confusing. We have improved the grammar of the course description. BIO 1015 is being changed to a 3-hour lecture course; the recitation is being removed.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - Edit Course - CHM1003 - Course - Change Course Data

## Course Description

**Institution**
Baruch College

**Course Title**
Fundamentals of Chemistry

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
This course is an introduction to some of the basic principles of chemistry for students with little or no previous background in chemistry. Topics covered include stoichiometry, electronic structure of atoms, chemical bonding, molecular structure, states of matter, and solutions. (Not open to students who have completed CHM 1000 or CHM 2003. Students who plan to major in Biological Sciences are advised to take CHM 2003.)

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

**Liberal Arts**
Yes

**Pathways**
Yes

**College Option**
No

**Requirement Designation**
RLA_FC_ScientificWorld

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

**Subject Area**
CHM

**Catalog Number**
1003

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Natural Sciences

**Pre-Requisites / Co-Requisites**
Not open to students who have completed CHM 1000 or CHM 2003.

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
ERRATA: This curriculum change removes the prerequisite and co-requisite from this course and enables students to register without departmental permission. We have removed the Lecture (L) designation from the course number, as differentiating Lecture and Lab with an L is confusing. CHM 1003 is being changed to a 3-hour lecture course; the recitation is being removed.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - Edit Course - ENV1003 - Course - Change Course Data

## Course Description

**Institution**
Baruch College

**Course Title**
Fundamentals of Ecology

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
Fundamentals of Ecology explores ecological characteristics and ecosystem processes through an evolutionary context. The course will demonstrate the interdisciplinary nature of the field of ecology by highlighting its significance to current environmental issues and the interconnectedness of the environment around us. (Not open to students who have taken ENV 1020.)

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

**Liberal Arts**
Yes

**Pathways**
Yes

**College Option**
No

**Requirement Designation**
RLA_FC_ScientificWorld

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

**Subject Area**
ENV

**Catalog Number**
1003

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Natural Sciences

**Pre-Requisites / Co-Requisites**
Not open to students who have completed ENV 1020.

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
ERRATA: This curriculum change removes the prerequisite and co-requisite from this course and enables students to register without departmental permission. We have removed the Lecture (L) designation from the course number, as differentiating Lecture and Lab with an L is confusing. ENV 1003 is being changed to a 3-hour lecture course; the recitation is being removed.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - Edit Course - ENV1003H - Course - Change Course Data

## Course Description

**Institution**
Baruch College

**Course Title**
Honors Fundamentals of Ecology

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
Fundamentals of Ecology explores ecological characteristics and ecosystem processes through an evolutionary context. The course will demonstrate the interdisciplinary nature of the field of ecology by highlighting its significance to current environmental issues and the interconnectedness of the environment around us. (Not open to students who have taken ENV 1020.)

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

**Liberal Arts**
Yes

**Pathways**
No

**College Option**
No

**Requirement Designation**
Regular Liberal Arts

**Course Attributes**
HON - HON (Campus Honors)

# Course Offerings

**Cross Listed Courses**
-

**Subject Area**
ENV

**Catalog Number**
1003H

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Natural Sciences

**Pre-Requisites / Co-Requisites**
3.5 GPA, or 3.3 GPA with Honors Department Permission, or MHC, PROV or BSCH Honors Student Groups. Not open to students who have completed ENV 1020.

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
ERRATA: This curriculum change removes the prerequisite and co-requisite from this course and enables students to register without departmental permission. ENV 1003H is being changed to a 3-hour lecture course; the recitation is being removed.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - New Course - PAF3195 - Course - New Course

## Course Description

**Institution**
Baruch College

**Course Title**
Energy, Climate, and Society

**Is this Course Required for a Major?**
Yes

**Is this Course Part of a Major within your Department?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
Climate change is one of the biggest challenges of our time. This course offers a comprehensive and interdisciplinary approach to understanding the science behind climate change, the complex technological and policy considerations, and the necessary pathways to transition towards a carbon-neutral future. Over the course of the semester, we will delve into the fundamental concepts of climate science and explore the latest research on climate change. We will also examine the various energy technologies available and the challenges of transitioning towards a sustainable energy system. In addition, we will explore the policy and economic considerations that underpin energy and climate policy, and the social and cultural dimensions of this complex issue. Ultimately, the goal of this class is to provide students with a broad understanding of the challenges and opportunities associated with the energy and climate crisis. We hope to empower them with the knowledge and skills needed to make a positive impact on climate solutions.

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

| Liberal Arts | Pathways | College Option |
|---|---|---|
| No | No | No |

**Requirement Designation**
Regular Non-Liberal Arts

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

| Subject Area | Catalog Number |
|---|---|
| PAF | 3195 |

**Department(s)**
Public Affairs

**Pre-Requisites / Co-Requisites**
ECO 1001 Micro-Economics or PAF 3102 Economic Analysis of Public Policy, or equivalent classes, or approval by the instructor

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
Climate change is one of the biggest challenges of our time. It's critical for our undergraduate students at Marxe School and Baruch College to develop literacy on energy and climate, to understand the historical context, scientific foundation, and potential pathways forward to the climate crisis and solutions.

This course could be an elective for the BSPA program, to be offered yearly with a projected enrollment of 15-20.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - Edit Course - PAF9177 - Course - Change Course Data

## Course Description

**Institution**
Baruch College

**Course Title**
Advanced Quantitative Methods

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
Intended for students interested in advanced quantitative research methods used in policy analysis, this course focuses on causal effects, especially of programsor policies. Topics include random assignment, multiple regression, instrumentalvariables, and difference-in-differences estimation. Students learn these approaches and techniques through hands-on projects and exercises on contemporary policy problems using real data and statistical software.

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
| --- | --- | --- | --- |
| No | No | No | Yes |

**Liberal Arts**
No

**Pathways**
No

**College Option**
No

**Requirement Designation**
Graduate Non-Liberal Arts

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

**Subject Area**
PAF

**Catalog Number**
9177

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Public Affairs

**Pre-Requisites / Co-Requisites**
PAF 9272, or permission of instructor

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
We no longer offer PAF 9170 or PAF 9172. During our curriculum review a few years ago, we replaced PAF 9170 and PAF 9270 (the methods course sequence in the core) with PAF 9270 and a choice of PAF 9271 or PAF 9272. PAF 9272 provides an in-depth introduction to conducting causal analysis and inference with statistical software that prepares students for the advanced quantitative methods taught in PAF 9177.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - Edit Course - PAF9186 - Course - Change Course Data

## Course Description

**Institution**
Baruch College

**Course Title**
Map Making For Public

**Is this Course Required for a Major?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
The course provides an introduction to basic map making skills and the use of maps and spatial data in policy applications. Students will learn how to create and interpret thematic maps, by hands-on experience with mapping software. Advanced topics will include spatial construction of data, and use spatial data in quantitative applications. Open to Austin W. Marxe School of Public and International Affairs students; others with Marxe School permission.

## Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
| --- | --- | --- | --- |
| No | No | No | Yes |

**Liberal Arts**
Yes

**Pathways**
No

**College Option**
No

**Requirement Designation**
Graduate Liberal Arts

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**
-

**Subject Area**
PAF

**Catalog Number**
9186

**Course Typically Offered**
Fall, Spring, Summer

**Department(s)**
Public Affairs

**Pre-Requisites / Co-Requisites**
PAF 9270, or permission of instructor

# Credits

## Credit Hours

| Minimum | Max |
| --- | --- |
| 3 | 3 |

## Contact Hours

| Value |
| --- |
| 3 |

# Rationale

**Please provide the rationale for new course or for any changes?**
We no longer offer PAF 9170. During our curriculum review a few years ago, we replaced PAF 9170 with PAF 9270.

**Learning Goals and Outcome**

-

**Assessment**

-

# BAR01 - New Course - PAF9187 - Course - New Course

## Course Description

**Institution**
Baruch College

**Course Title**
Energy and Climate Policy

**Is this Course Required for a Major?**
Yes

**Is this Course Part of a Major within your Department?**
Yes

**Is this course an experimental course?**
No

## Course Details

**Catalog Description**
The urgent challenge of climate change demands innovative solutions and comprehensive policy frameworks. This graduate-level course provides a systems approach to understanding the essential policy questions and analytic tools necessary to achieve the energy transition required to address climate change. We will cover a broad range of topics, including an overview of the energy and climate landscape, project economics, energy sources and technologies, energy demand, environmental and health impacts, power system analysis, energy transition strategies, energy efficiency, sustainable consumption, climate justice, big data and AI for climate change, and the limitations of models. We will also explore emerging topics relevant to energy systems and achieving carbon neutrality. Through a combination of lectures, case studies, and real-world assignments, students will gain a comprehensive understanding of the essentials of energy and climate policy. We aim to provide students with a nuanced understanding of the energy transition landscape and prepare them to make a meaningful impact in shaping the policy frameworks that will drive the transition towards a sustainable future.

Open to Austin W. Marxe School of Public and International Affairs students; others with Marxe School permission.

# Catalog Data

**Start Term**
2024 Fall Term

| Remedial | Developmental | Compensatory | Regular |
|---|---|---|---|
| No | No | No | Yes |

| Liberal Arts | Pathways | College Option |
|---|---|---|
| No | No | No |

**Requirement Designation**
Graduate Non-Liberal Arts

**Course Attributes**
-

# Course Offerings

**Cross Listed Courses**

-

**Subject Area**
PAF

**Catalog Number**
9187

**Department(s)**
Public Affairs

**Pre-Requisites / Co-Requisites**
PAF 9130 Economic Analysis and Public Policy or PAF 9140 Budgeting and Financial Analysis I or PAF 9415 International Economics

# Credits

## Credit Hours

**Minimum**
3

**Max**
3

## Contact Hours

**Value**
3

# Rationale

**Please provide the rationale for new course or for any changes?**
This course focuses on energy and climate change, and will provide our students with the scientific foundation, system framework, and analytic skills to energy and climate policy. Such training is crucial for our students to work on energy and climate policy, and will be useful for climate literacy even if they might not work on climate related jobs.

This course is an elective for the MIA/MPA programs, to be offered yearly with a projected enrollment of 15-20.

**Learning Goals and Outcome**

-

**Assessment**

-