## CONCENTRATION: Energy and Environment (EE)

*LAST* _____ *FIRST* _____

*EXPECTED GRADUATION* _____ *UNI* _____

*Circle program:* **MIA / MPA**

*SIGNATURE* _____ *DATE* _____

**Requirements: 15 points, 5 courses** (1 Fundamentals Course, 1 Economics Course, 1 Policy Course, 2 Electives)

**Concentration courses cannot be audited or taken pass/fail**. *Courses may not be double-counted, i.e., fulfilling a track requirement and an elective requirement. EE core courses may not be double-counted with MIA/MPA core courses.*

### 1) FUNDAMENTALS (3 POINTS, 1 COURSE)

| | Course Number | Course Title | Term | Year | Points |
|---|---|---|---|---|---|
| 1 | ❑ INAF U6071 *or* | Fundamentals of Environmental Economics and Policy | Fall | | 3 |
| 2 | ❑ INAF U6072 | Energy Systems Fundamentals | Fall | | 3 |

### 2) ECONOMICS (3 POINTS, 1 COURSE)

| | Course Number | Course Title | Term | Year | Points |
|---|---|---|---|---|---|
| 1 | ❑ INAF U6065 *or* | The Economics of Energy | Fall | | 3 |
| 2 | ❑ INAF U6068 | Environmental Economics | Fall | | 3 |

### 3) POLICY (3 POINTS TOTAL, 1 3-POINT COURSE OR 2 1.5-POINT COURSES)

| | Course Number | Course Title | Term | Year | Points |
|---|---|---|---|---|---|
| 1 | ❑ INAF U6061 *or* | Global Energy Policy | Fall | | 3 |
| 2 | ❑ INAF U6084 *or* | Energy and National Security | Spring | | 3 |
| 3 | ❑ INAF U6243 *or* | International Environmental Policy | Spring | | 3 |
| 4 | ❑ INAF U8537 *or* | Climate Change Policy | Spring | | 3 |
| 5 | ❑ _____ | _____ *Other* (please see list) | Fall/Spring | | 1.5/3 |
| 6 | ❑ _____ | _____ *Other* (please see list) | Fall/Spring | | 1.5/3 |

### 4) ELECTIVES (6 POINTS TOTAL, ANY COMBINATION OF 1.5- AND 3-POINT COURSES TOTALING 6POINTS)

| | Course Number | Course Title | Term | Year | Points |
|---|---|---|---|---|---|
| 1 | ❑ _____ | _____ *An energy or environment elective* (please see list) | Fall/Spring | | 1.5/3 |
| 2 | ❑ _____ | _____ *An energy or environment elective* (please see list) | Fall/Spring | | 1.5/3 |
| 3 | ❑ _____ | _____ *An energy or environment elective* (please see list) | Fall/Spring | | 1.5/3 |
| 4 | ❑ _____ | _____ *An energy or environment elective* (please see list) | Fall/Spring | | 1.5/3 |

**Concentration Director Approval:**

*ONLY during final semester when submitting for graduation. Submit form to Elora Ditton IAB 804 first for review.*

_____ **Date:** _____

*Wolfram Schlenker (ws2162)*

*David Sandalow (dbs2167)*

*Last update: 7/23/2019*

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### ENERGY AND ENVIRONMENT POLICY COURSES (FOR POLICY REQUIREMENT)

| | |
|---|---|
| ENVP U6239 | The Politics and Policy of Urban Sustainability |
| ENVP U6241 | Earth Systems and Environmental Politics, Policy, and Management |
| ENVP U6320 | Political Context of Public/Private Environmental Management |
| INAF U6061 | Global Energy Policy |
| INAF U6074 | Current Issues in Energy Policy |
| INAF U6084 | Energy and National Security |
| INAF U6242 | Energy Policy |
| INAF U6243 | International Environmental Policy |
| INAF U6261 | Making Climate Policy in the US |
| INAF U6327 | Carbon Pricing |
| INAF U6425 | The EU Energy Transition |
| INAF U8537 | Climate Change Policy |
| INAF U5218/8909 | Environment, Conflict & Resolution Strategies |
| LAW L6038 | Climate Change Law and Policy |
| LAW L6040 | International Environmental Law |
| LAW L6242 | Environmental Law |
| LAW L8036 | Natural Resources Law |
| LAW L8452 | Seminar: Energy Law |
| Other | As Approved |

### ENERGY AND ENVIRONMENT ELECTIVE COURSES

Students may meet their requirements with any combination of these courses totaling 6 points. There may be additional classes that are not on this list. Please contact the EE Office with any questions regarding the requirements.

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|---|---|
| EHSC P6300 | Environmental Health Sciences |
| EHSC P8304 | Public Health Impacts of Climate Change |
| ENVP U6224 | Environmental Data Analysis |
| ENVP U6228 | Corporate Sustainability and the Role of Government in Advancing Environmental & Social Performance |
| ENVP U6230 | Economics of Sustainable Development |
| ENVP U6233 | Environmental Finance Prep |
| ENVP U6235 | Environmental Finance |
| ENVP U6239 | The Politics and Policy of Urban Sustainability |
| ENVP U6241 | Earth Systems and Environmental Politics, Policy, and Management |
| ENVP U6250 | Poverty, Inequality, and the Environment |
| ENVP U6275 | GIS for International Studies |
| ENVP U6320 | Political Context of Public/Private Environmental Management |
| ENVP U6400 | Financing the Green Economy: Markets, Business, & Politics |
| INAF U4420 | Oil, Rights and Development |
| INAF U5218/8909 | Environmental Conflict Resolution Strategies |
| INAF U6040 | International Energy Project Finance |
| INAF U6042 | Energy, Enterprise and Development |
| INAF U6048 | Oil and Gas Scenarios and Risk Analysis |
| INAF U6051 | Infrastructure Investment and Development |
| INAF U6054 | Petroleum Markets & Trading |
| INAF U6057 | Electricity Markets |
| INAF U6061 | Global Energy Policy |
| INAF U6065 | The Economics of Energy |
| INAF U6066 | Energy and Power Financing Markets |
| INAF U6068 | Environmental Economics |
| INAF U6071 | Fundamentals of Environmental Economics and Policy |
| INAF U6072 | Energy Systems Fundamentals |
| INAF U6073 | Introduction to Energy and Human Development |
| INAF U6074 | Current Issues in Energy Policy |
| INAF U6076 | Energy Management for Public and Private Sector |
| INAF U6078 | Public Sector Energy Innovation - Reducing the Demand for Foreign Oil and Growing Renewable Power |
| INAF U6079 | Clean Energy Financial Innovation |
| INAF U6083 | Peak Oil Demand: Transition to Low-Carbon Energy |

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|---|---|
| INAF U6084 | Energy and National Security |
| INAF U6086 | Green Buildings: Policies and Strategies for Success |
| INAF U6116/U6013 | Infrastructure Cost Benefit Analysis |
| INAF U6135 | Renewable Energy Markets and Policy |
| INAF U6230 | Corp. Sustainability & the Role of Gov't in Advancing Environmental & Social Performance |
| INAF U6231 | Climate Change: Israel and the Middle East |
| INAF U6236 | History of American Ecology & Environmentalism |
| INAF U6238 | Environmental Finance: Scaling Up Clean Energy |
| INAF U6242 | Energy Policy |
| INAF U6243 | International Environmental Policy |
| INAF U6259 | Adaptation to Climate Change |
| INAF U6261 | Making Climate Policy in the US |
| INAF U6265 | Environmental History of the Israeli-Arab Conflict |
| INAF U6301 | Corporate Finance |
| INAF U6322 | Building Big Renewable Energy Projects |
| INAF U6325 | Energy Modeling |
| INAF U6327 | Carbon Pricing |
| INAF U6326 | Renewable Energy Project Finance Modeling |
| INAF U6425 | The EU’s Energy Transition |
| INAF U6429 | Energy Industry in the BRICS |
| INAF U6680 | Geopolitics of Oil & Natural Gas |
| INAF U8345 | Competition Policy and Economic Regulation |
| INAF U8537 | Climate Change Policy |
| INAF U8681 | Green Transition in Emerging Markets |
| INAF U8778 | Distributed Energy Economics, Technology, and Policy |
| INAF U8910 | Food, Farming & Famine: Struggles for Sustainability |
| INAF U8912 | Technology, Innovation and Sustainable Goals |
| LAW L6038 | Climate Change Law |
| LAW L6040 | International Environmental Law |
| LAW L6242 | Environmental Law |
| LAW L8036 | Natural Resources Law |
| LAW L8452 | Seminar: Energy Law |
| PAUF U6190 | Extractive Industries and Sustainable Development |
| PLAN W4404 | Urban Transportation Planning |
| PLAN A4579 | Introduction to Environmental Planning |
| PLAN W6434 | Transportation Issues Seminar |
| REGN U6149 | Energy, Corporate Responsibility & Human Rights |
| REGN U6538 | Russia's Energy between West, East, and South |
| SDEV U6240 | Environmental Science for Sustainable Development |
| SDEV U6260 | Disasters and Development |
| SIPA U6015 | Sustainability Management |
| SUMA K4025 | Sustainability Communications Strategy and Reporting |
| SUMA PS4100 | Sustainability Management |
| SUMA PS4130 | Sustainable Cities |
| SUMA K4140 | Sustainability Science |
| SUMA PS4145 | Science of Sustainable Water |
| SUMA PS4190 | Economics of Sustainability Management |
| SUMA PS4235 | The Science of Urban Ecology |
| SUMA PS5025 | Corporate Sustainability Reporting and Strategy |
| SUMA PS5035 | Greenhouse Gas (GHG) Emissions: Measuring and Minimizing the Carbon Footprint |
| SUMA PS5135 | Energy Analysis for Energy Efficiency |
| SUMA PS5142 | Sustainable Finance |
| SUMA PS5169 | Sustainability Metrics |
| SUMA PS5170 | Sustainable Operations |
| SUMA PS5175 | Global Environmental Markets |
| SUMA PS5197 | Financing the Green Energy Economy |
| SUMA PS5230 | The Earth's Climate Systems |
| SUMA PS5301 | International Environmental Law |

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|---|---|
| SUMA PS5380 | Financing Natural Infrastructure |
| Other | As Approved |