ENVIRONMENTAL SCIENCE

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Undergraduate
- Environmental Science (https://academiccatalog.sju.edu/arts-sciences/environmental-science/environmental-science-major/)

Undergraduate Minors
- Environmental Science (https://academiccatalog.sju.edu/arts-sciences/environmental-science/minor-environmental-science/)
- Environmental and Sustainability Studies (https://academiccatalog.sju.edu/arts-sciences/environmental-science/minor-environmental-sustainability-studies/)

Environmental Science in the GEP (See Curricula)
The GEP requires that all students take EITHER one semester of a lab-based natural science course (6 contact hours) OR two semesters of lecture-only natural science courses.

Non-science majors Environmental Science GEP courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 105</td>
<td>The Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

Non-science majors Environmental Science GEP lab-based courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 106</td>
<td>Exploring the Earth</td>
<td></td>
</tr>
<tr>
<td>&amp; 106L</td>
<td>Exploring the Earth Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

ENV 102 Environ Theory & Ethics Sem (3 credits)
An introduction to the political, economic, social, scientific, and philosophical concerns involved in environmental issues. Students will read, discuss, and write about current and controversial topics or problems integrating the aforementioned disciplines of study. A major goal of this course is to expose the students to the interdisciplinary nature of environmental science and the challenges of solving environmentally related problems.

Prerequisites: (ENV 105 or ENV 106) and PHL 154

ENV 103 Intro to Planet Earth (3 credits)
An examination of the fundamental themes of ecology with an emphasis on the impact of humans on their environment. Included are discussions of current interest topics such as oil spills, nuclear waste, and rain forest destruction.

Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology or Physics.

Attributes: GEP Natural Science, Undergraduate

ENV 105 The Environment (3 credits)
An examination of the fundamental themes of ecology with an emphasis on the impact of humans on their environment. Included are discussions of current interest topics such as oil spills, nuclear waste, and rain forest destruction.

Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology or Physics.

Attributes: GEP Natural Science, Undergraduate

ENV 106 Exploring the Earth (4 credits)
A lab-based course that provides an overview of the functioning of the Earth. Ecology, basic biology, environmental science, and current events are used to examine the earth. Topics include natural resources, population, pollution, ecosystems, biogeochemical cycles, and biodiversity.

Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

ENV 106L Exploring the Earth Laboratory (0 credits)

ENV 108 Global Change Biology (3 credits)
This course explores the scientific basis of global climate change, the impacts of climate change, and the solutions needed to solve the problem. It also explores Catholic Social Teaching on the subject of care for the environment.

Restrictions: Students cannot enroll who have a major, minor, or concentration in Environmental Science.

Attributes: First-Year Seminar, Undergraduate

ENV 110 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 120 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 120L Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 130 Environmental Science Seminar (0 credits)
This series of speakers will introduce majors and minors to current environmental science research, career options and experts in relevant disciplines inside and outside of the natural sciences.
Attributes: Undergraduate

ENV 140 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 140L Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 150 Global Change Biology (3 credits)
This course explores the scientific basis of global climate change, the impacts of climate change, and the solutions needed to solve the problem. It also explores Catholic Social Teaching on the subject of care for the environment.

Restrictions: Students cannot enroll who have a major, minor, or concentration in Environmental Science.

Attributes: First-Year Seminar, Undergraduate

ENV 170 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 180 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 190 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 190L Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 200 Environmental Science Seminar (0 credits)
This series of speakers will introduce majors and minors to current environmental science research, career options and experts in relevant disciplines inside and outside of the natural sciences.
Attributes: Undergraduate

ENV 210 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 220 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 230 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 240 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 250 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 260 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 270 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 280 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 290 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 300 Environmental Science Seminar (0 credits)
This series of speakers will introduce majors and minors to current environmental science research, career options and experts in relevant disciplines inside and outside of the natural sciences.
Attributes: Undergraduate

ENV 310 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 320 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 330 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 340 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 350 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 360 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 370 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 380 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 390 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 400 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 410 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 420 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 430 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 440 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 450 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 460 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 470 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 480 Special Topics (3 credits)
Topics will vary according to the semester in which the class is offered.
Attributes: Undergraduate

ENV 490 Environmental Science Seminar (0 credits)
This series of speakers will introduce majors and minors to current environmental science research, career options and experts in relevant disciplines inside and outside of the natural sciences.
Attributes: Undergraduate

ENV 493 Undergraduate Research in Env (3 credits)
This course pairs individual students with faculty mentors to perform independent environmental science related research.