

GEP

Course Offerings Fall 2022

Note for simplicity the following slides list course offerings according to the new BA and BS degree options

Students should refer to the new degree details available on the Dept. website

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GEP Required Foundation courses

By the time you graduate you must have taken one class from each category

Environmental Systems (required)

- GEP 201 (B1) (3) offered Fall and Spring

Society, Environment, and Development (Choice of 3 –select one course)

- GEP 203 (D) (3)(not offered this fall)
- GEP 206 (E) (3)
- GEP 305 (Fall) or GEP 306 Spring (UD D) (3)

Environmental Inquiry and Analysis (both required)

- GEP 211 (was 215) (Fall only)
- GEP 280 (was 202) offered Fall and Spring

Note: we are also offering a new course GEP 110: Communication of Environmental Issues (3)

This does not count towards the major but fulfills area A1

Required Upper Division Breadth in GEP

By the time you graduate you must have taken one class from each category

Society, Environment, and Development (Choice of 3 –select one course)

- GEP 324 Climate Change and Society (4) (spring)
- GEP 325 Global Food Systems (4) (spring)
- **GEP 330 Environmental History (4) (Fall)**

Environmental Systems (Choice of 3 –select one course)

- **GEP 340 Applied Ecology (3) (Fall)**
- **GEP 351 Natural Hazards (3) (B) (Fall)**
- GEP 355 Weather and Climate (3) (B) (Spring)

Sustainable Communities (Choice of 3 –select one course)

- **GEP 360 Introduction to Urban and Reg. Planning (4) (Spring)**
- GEP 370 Globalization and the City (4) (spring)
- GEP 373 Energy, Technology & Society (4) (Spring)

Geospatial Analysis and Technology (Required Course)

- **GEP 387 Introduction to GIS (4) (offered Fall and Spring)**

Professional Preparation & Experiences for GEP

By the time you graduate you must have taken 5 units

Juniors and Seniors

GEP 310 Required (Offered Fall & Spring) (2)

GEP 311 Required (Spring only) (1)

GEP 317 Internship (1-4 units)

- 1) This is a contract course, students do NOT sign up for GEP 317 during registration;
- 2) Ideally students should take GEP 310 before GEP 317, logistics of signing up for GEP 317 covered in GEP 310
- 3) Contact Prof. Laney to get on GEP 317 canvas site

GEP 318 (was 443) Agroecology in practice (2)

GEP 319 (was 444) Native Plant Propagation in Practice (2)

GEP Electives

By the time you graduate you must have taken 21 elective units including one 400 level course

GEP 320 Geopolitics (4)

GEP 352 Soil Science (4)

GEP 354 Watershed Hydrology and Management (4)

GEP 362 Environmental Impact Assessment (4)

GEP 367 Transportation Planning (4)

GEP 374 A Strategies for Carbon and Energy Reduction (3)

GEP 374 B Laboratory Methods for Energy Efficiency (1) (must take 374 A)

GEP 380 Environmental Remote Sensing (4)

GEP 396.1 Special topics: Water Research Training (2)

GEP 396.2 Special Topics: Water Management and Policy (3)

GEP 396.3 Special topics: Water Planning (1) (must take 396.2)

* Not listed here breadth classes, remember can be taken as electives if breadth area completed

Also available Capstone classes, next slide.

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GEP 396.1 Special topics: Water Research Training (2 unit)

Prof. Guilford

In the fall, scientists at Sonoma Water pose a question to the class related to the Laguna de Santa Rosa watershed. Students explore the literature to understand the question, perform experiments in the field related to the question, and begin data analysis. Roughly 50% of class time is spent collecting data in the Laguna de Santa Rosa. The class collaboratively presents the results to our collaborators Sonoma Water. In the spring, additional field work is performed as needed and data analysis is completed. The class then creates a poster to present at CSU's annual Water Resources and Policy Initiatives (WRPI) conference and the SSU Student Research Symposium.

Applied to ES foci or Practical Experiences

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GEP 396.2 Special Topics: Water Management & Policy (3 units)

Prof. Laney

This class will focus on water law, management and policy in the US West, but it will address some global water issues as well. The US component will cover various approaches to (and mechanisms for) water allocation, such as water rights, water markets, water pacts, water development, and newly emerging water policies. The global component will cover geopolitical conflicts and negotiations around water, and the challenge of municipal water provision in developing cities.

Applied to Society, Environment, and Development/Urban Studies and Planning or Env. Management and Policy foci.

Prerequisite: Class open to Sophomores, Juniors, Seniors, and Graduate Students only.

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GEP 396.3 Special Topics: Water Planning (1 unit)

Prof Patterson

Students will analyze city and county planning efforts and development goals, policies, and implementation actions that integrate land use and water resources planning.

The instructor is a retired Planning/Policy professional with a wealth of experience with local and state agencies (City of Fairfax, the California State Senate River Protection and Restoration Subcommittee, California State Lands Commission and the California Department of Water Resources)

If you are interested in water planning and policy issues you should take this class.

to Society, Environment, and Development/Urban Studies and Planning or Env. Management and Policy foci

Required Concurrent Enrollment in GEP 396.2 (Laney) and ideally prior GEP 360 /concurrent enrollment

Prerequisite: Class open to Juniors, Seniors, and Graduate Students only.

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400-level course offered Fall 2022

GEP 490

Global Challenges Research Design 3 units (Nardine)

- This is the first semester of an intensive, year-long project in which students conduct original research and/or produce a professional product. During Fall semester, students formulate a research project and develop the research skills needed to conduct that project.
- This class is a two semester sequence.
- Students must take GEP 491 Global Challenges (3) Research Project in spring 2023 in order to fulfill the capstone requirement.
- Recommended for the following foci:
 - Society, Environment, and Development
 - Environmental Management and Policy

Notes

- All students must complete a minimum of one 400 level course by time of graduation
- The 400-level course must be taken in your junior/senior year to meet the Capstone requirement

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CSU Fully Online Courses

You are eligible to take one course per semester at no extra cost through CSU Fully Online. Look for more information about that here: <https://www.csfullyonline.com/>

Note the direct access to enroll is located in your SSU Student Center.

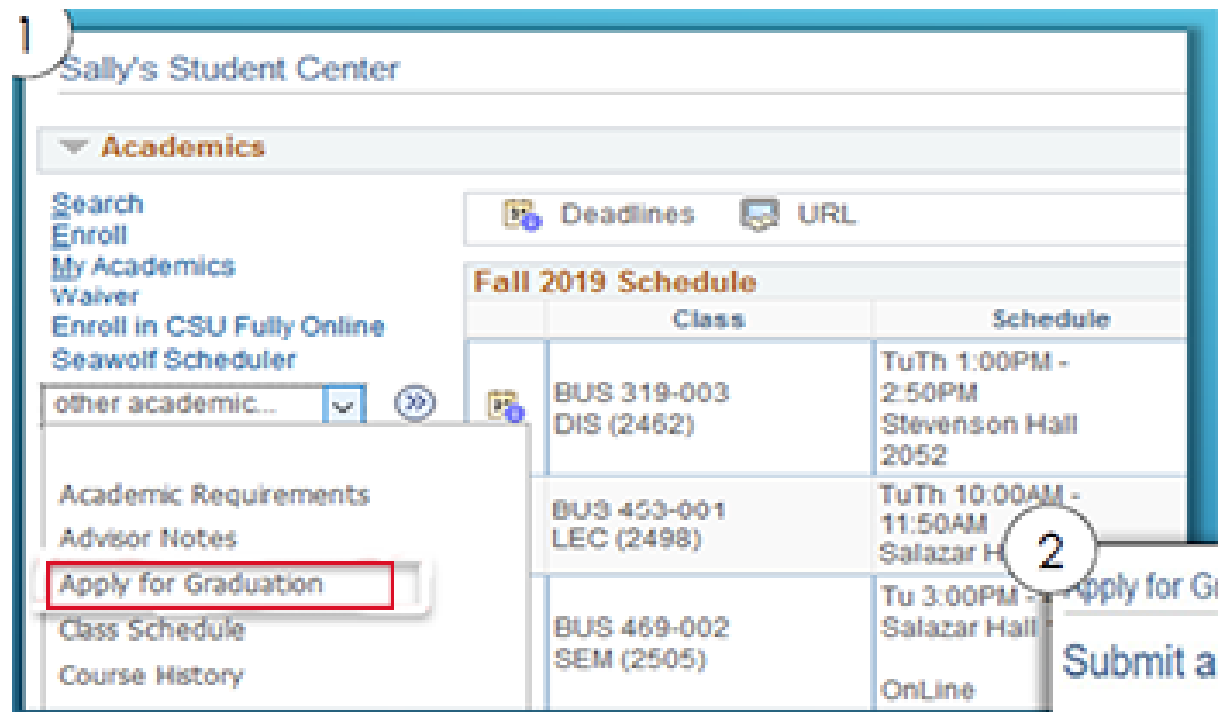
The screenshot shows a student center interface for 'Sally's Student Center'. Under the 'Academics' section, there is a list of links: Search, Enroll, My Academics, Waiver, **Enroll in CSU Fully Online** (highlighted with a red box), and Seawolf Scheduler. Below this is a search bar with the text 'other academic...' and a dropdown arrow. A menu is open below the search bar, listing: Academic Requirements, Advisor Notes, Apply for Graduation, Class Schedule, and Course History. To the right, there is a 'Deadlines' and 'URL' section, and a 'Fall 2019 Schedule' table. The table has two columns: 'Class' and 'Schedule'. The first row shows 'BUS 319-003 DIS (2462)' with a schedule of 'TuTh 1:00PM - 2:50PM Stevenson Hall 2052'. The second row shows 'BUS 453-001 LEC (2498)' with a schedule of 'TuTh 10:00AM - 11:50AM Salazar H'. The third row shows 'BUS 469-002 SEM (2505)' with a schedule of 'Tu 3:00PM - Salazar Hall OnLine'. A 'Submit a' button is partially visible at the bottom right. A circled number '2' is placed over the 'Apply for G' button.

Class	Schedule
BUS 319-003 DIS (2462)	TuTh 1:00PM - 2:50PM Stevenson Hall 2052
BUS 453-001 LEC (2498)	TuTh 10:00AM - 11:50AM Salazar H
BUS 469-002 SEM (2505)	Tu 3:00PM - Salazar Hall OnLine

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Graduating Seniors - Application for Graduation

- Apply through your SSU Student Center.



The screenshot shows the 'Sally's Student Center' interface. A sidebar on the left contains a list of academic links: Search, Enroll, My Academics, Waiver, Enroll in CSU Fully Online, Seawolf Scheduler, other academic..., Academic Requirements, Advisor Notes, **Apply for Graduation** (highlighted with a red box), Class Schedule, and Course History. A circled '1' is next to the top of the sidebar. The main content area features a 'Fall 2019 Schedule' table with columns for 'Class' and 'Schedule'. The table lists three classes: BUS 319-003 DIS (2462), BUS 453-001 LEC (2498), and BUS 469-002 SEM (2505). A circled '2' is next to the 'Apply for Graduation' link in the bottom right corner of the screenshot.

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Important Links

- Fall 2022 GEP Schedule: <http://gep.sonoma.edu/courses/class-schedule>
- GEP Degree Programs: <http://gep.sonoma.edu/geography-environment-and-planning-gep-degree-programs>
 - [Bachelor of Arts in Environmental Studies, Geography, and Planning](#)
 - [Bachelor of Science in Environmental Science, Geography and Management](#)
 - [Geography and Environment \(Minor\)](#)

Connecting with GEP advisors: <http://gep.sonoma.edu/advising>