



EVS 4932: Water Resources in Developing Contexts

3 credit hours | UF in Morocco Study Abroad Program
Summer A Semester 2024

Instructor: Dr. Natalie Coers (Agricultural Education & Communication)

Email: ncoers@ufl.edu

Office Phone: 352-273-3586

Office Location: Bryant Space Science Center 117D

Office Hours: By appointment

Instructor: Dr. Ryan Good (he/him)

Email: ryangood@ufl.edu

Office Phone: 352-294-6348

Office Location: McCarty D, Room 2049

Office Hours: By appointment

Course Description

This course explores how water resources are managed in developing/Global South contexts. Presented from a systems perspective, the course considers water treatment; domestic, industrial, and commercial water consumption; and harvesting, capture, and storage of water resources. Environmental systems investigated in class include the hydrologic cycle, agricultural production, environmental economics, and climate change.

Course Objectives

- 1) Recall key details and definitions surrounding water resources
- 2) Describe water management strategies in resource-limited contexts
- 3) Apply interdisciplinary approaches to evaluating and developing solutions for resource scarcity
- 4) Develop a cross-cultural understanding of common environmental problems and management solutions.

Prerequisites

None

Course Materials

All course materials will be provided through Canvas.

COURSE + UNIVERSITY POLICIES

In-Class Recording: Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field

trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third-party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student

Absences: Due to the nature of this course, pre-departure meetings are recommended and the pre-departure orientation is required. If unable to attend, please work with the instructor to receive any content missed. Full participation in the daily scheduled activities throughout the Study Abroad is an expectation and requirement for this course.

More information regarding attendance can be found at <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

E-Learning: All students are expected to check E-Learning (<http://elearning.ufl.edu>) on a regular basis. Please ensure that you have access to this service. Additional handouts, readings and supplemental material will be housed on E-Learning, this includes your grades.

Software Use: All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Course Add/Drop: Courses may be dropped or added during the Drop/Add period without penalty. The Drop/Add period is the first five days of classes during fall or spring semester, and the first two days of classes for summer terms. The specific dates are listed in each term's [academic calendar](#).

After Drop/Add, students may withdraw from a course up to the date established in the university calendar. A grade of W will appear on the transcript, and students will be held liable for course fees. All drops after Drop/Add must be submitted to the Office of the University Registrar by the deadline.

Online Course Evaluation System: Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Campus Helping Resources: Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. Both the Counseling Center and Student Mental Health Services provide confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance. The Counseling Center is located at 301

Peabody Hall (next to Criser Hall). Student Mental Health Services is located on the second floor of the Student Health Care Center in the Infirmary.

- *University Counseling Center*, 301 Peabody Hall, 392-1575, www.counsel.ufl.edu
- *Career Resource Center*, CR-100 JWRU, 392-1602, www.crc.ufl.edu/
- *Student Mental Health Services*, Rm. 245 Student Health Care Center, 392-1171, www.shcc.ufl.edu/smhs/

Alcohol and Substance Abuse Program (ASAP)

Center for Sexual Assault / Abuse Recovery & Education (CARE)

Eating Disorders Program

Employee Assistance Program

Suicide Prevention Program

Students with Disabilities: "Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation." Documentation must be provided to the instructor at the **beginning** of the semester.

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. 0001 Reid Hall, 392-8565, www.dso.ufl.edu/drc/

Late Assignments: All work is due via Canvas by 11:59 PM on the assigned date unless otherwise specified. Assignments submitted within one week of the original due date will be evaluated less 10% of the assignment point value. Assignments submitted beyond one week of the original deadline are subject to the discretion of the instructor for grading.

Challenge Policy: This is your education and as such I would like you play an active role in it. Should you feel that I have unfairly graded or inaccurately assessed your work product, you have the ability to challenge. I encourage you to schedule an appointment with me to discuss your perspectives in an effort to change my opinion of your work. If successful, I will be more than happy to change your grade, as part of being an effective leader is effective communication.

ACADEMIC INTEGRITY:

In 1995 the UF student body enacted an [honor code](#) and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the university, they commit themselves to the standard drafted and enacted by students.

The Honor Pledge: We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

On all work submitted for credit by students at the university, the following pledge is either required or implied: **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."**

Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean, Student Honor Council, or Student Conduct and Conflict Resolution in the Dean of Students Office.

(Source: 2019 *The Orange Book*, UF Regulation 4.040, p. 12)

It is assumed all work will be completed independently unless the assignment is defined as a group project in writing by the instructor.

Plagiarism: A Student must not represent as the Student's own work all or any portion of the work of another. Plagiarism includes but is not limited to:

- Stealing, misquoting, insufficiently paraphrasing, or patch-writing.
- Self-plagiarism, which is the reuse of the Student's own submitted work, or the simultaneous submission of the Student's own work, without the full and clear acknowledgment and permission of the Faculty to whom it is submitted.
- Submitting materials from any source without proper attribution.
- Submitting a document, assignment, or material that, in whole or in part, is identical or substantially identical to a document or assignment the Student did not author.

(Source: 2019 The Orange Book, UF Regulation 4.040, p. 13)

Artificial Intelligence (AI) Statement

AI applications including natural language chatbots like ChatGPT are an amazing new technology that is revolutionizing the way we access information, just like computers, the internet, and mobile phones did in prior decades. AI can be a useful tool for tasks such as editing, spellchecking, organizing, and brainstorming. Other uses, including copying & pasting ChatGPT output and representing as your own work, are not appropriate in college courses; doing so constitutes academic dishonesty.

Office Hours

Please take advantage of office hours to discuss any questions or concerns; reach out to one of the instructors to schedule a meeting.

Course Communications

The preferred way to get in touch with your instructor is via direct email from your official UF email account. Emails from outside providers, like Gmail, are not considered secure and will be ignored to protect student privacy. University policy dictates that grades cannot be discussed via email, so if you have a grade-specific question, you should ask it during office hours. Response time will vary due to the nature of this course taking place in an international context with additional travel possibilities and time zone delay.

All students are expected to check the course web site on Canvas (<http://elearning.ufl.edu>) before departure and following return from the experiential element of this Study Abroad. In addition, we may send specific communications directly to your UF email, which you should check daily as well. You should enable Canvas notifications for this class, so that you are notified immediately about grading, assignment feedback, due date changes, announcements, etc.

External Communication

You may use GroupMe or similar tools to communicate with other students about the class and Study Abroad-related topics. **You may not, however, collaborate on any assignments intended to be worked on individually.** Doing so constitutes academic dishonesty.

Canvas Display Name Change

Canvas uses the "Display Name" as set in myUFL. The Display Name is what you want people to see in the UF Directory, such as "Ally" instead of "Allison." To update your display name, go to one.ufl.edu, click on the dropdown at the top right, and select "Directory Profile." Click "Edit" on the right of the name panel, uncheck "Use my legal name" under "Display Name," update how you wish your name to be displayed, and click "Submit" at the bottom. This change may take up to 24 hours to appear in Canvas. This does not change your legal name for official UF records.

Technical Difficulties

For help with technical issues or difficulties with Canvas, please contact the UF Computing Help Desk at <http://helpdesk.ufl.edu> .
352-392-HELP (4357)
Walk-in: HUB 132

Netiquette and Communication Courtesy

It is important to recognize that the online classroom is in fact a classroom, and certain behaviors are expected when you communicate with both your peers and your instructors. These guidelines for online behavior and interaction are known as netiquette.

Security

Remember that your password is the only thing protecting you from pranks or more serious harm.

- Don't share your password with anyone.
- Change your password if you think someone else might know it.
- Always log out when you are finished using the system.

General Guidelines

When communicating online, you should always:

- Treat your instructor with respect, even via email or in any other online communication.
- Always use your professors' proper title: Dr. or Prof.
- Unless specifically invited, don't refer to a professor by their first name.
- Use clear and concise language.
- Remember that all college-level communication should have correct spelling and grammar.
- Use standard fonts such as Times New Roman and use a size 11 or 12 font.
- Avoid using the caps lock feature AS IT CAN BE INTERPRETED AS YELLING.
- Limit and possibly avoid the use of emoticons like :) .
- Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and your message might be taken seriously or be construed as being offensive.
- Be careful with personal information (both yours and others).
- Do not send confidential information via email.

Email

When you send an email to your instructor or classmates, you should:

- Use a descriptive subject line including the name of the class
- Avoid attachments unless you are sure your recipients can open them.
- Avoid HTML in favor of plain text.
- Sign your message with your name and return email address.
- Think before you send the email to more than one person. Does everyone really need to see your message?
- Be sure you REALLY want everyone to receive your response when you click, "Reply All."
- Be sure that the message author intended for the information to be passed along before you click the "Forward" button.

Grading Policies

Information on current UF grading policies for assigning grade points can be found at

<https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>.

Grading scale

Grade	Points	Percent	Grade	Points	Percent
A:	930.0-1000	93.0-100.0%	C:	730.0-769.9	73.0-76.9%
A-	900.0-929.9	90.0-92.9%	C-	700.0-729.9	70.0-72.9%
B+:	870.0-899.9	87.0-89.9%	D+:	670.0-699.9	67.0-69.9%
B:	830.0-869.9	83.0-86.9%	D:	630.0-669.9	63.0-66.9%
B-	800.0-829.9	80.0-82.9%	D-	600.0-629.9	60.0-62.9%
C+:	770.0-799.9	77.0-79.9%	E:	0.0-599.9	0.0-59.9%

Course Requirements

The final grade for this course is based on a 1000-point scale and will be weighted as follows:

Grade Component	Points	Percentage
Pre-Departure Water Shapes FL Exhibit Visit + Reflection	100	10%
Pre-Departure Modules + Quizzes	100	10%
Pre-Departure Case Concept Note	50	5%
Comparative Deliverable	400	40%
Peer Review + Highlight Notes	100	10%
Engagement with water excursions	250	25%
Total	1000	100%

Pre-Departure Water Shapes FL Exhibit Visit + Reflection: A new exhibit recently opened at the Florida Museum of Natural History on campus (UF students receive free entry with GatorID); students will visit the exhibit to gain a foundational understanding of Florida's water context to use as a comparative base as we travel and learn about water in Morocco. Students will complete a 1-page reflection of their visit.

Pre-Departure Modules + Quizzes: Two Modules in Canvas will cover foundational water resources to prime students for in-country discussions and questions as we travel.

Pre-Departure Case Concept Note: Each student will be assigned a specific water resource concept to focus on within the context of their matched case. A 1-page overview of the concept and potential questions or points for observation reflects brief, initial research of the resource of focus for the comparative deliverable.

Comparative Deliverable: Each student will focus on their assigned water resource concept in both Florida and Morocco to develop a comparative deliverable of their choice (i.e. written paper, video, photo essay) that demonstrates critical thinking and technical knowledge of the resource.

Peer Review & Highlight Notes: Students will review 2 of their peers' Comparative Deliverable submissions and submit a 1-page Word document with notes highlighting key take-aways and additional observations on the case.

Engagement: Given the experiential emphasis of a Study Abroad, student engagement throughout the integrated travel experience is essential. Attention during water resource visits, engagement with locals during visits, and overall attitude and flexibility will be factored into this assessment.

COURSE OUTLINE

Meeting	Content	Date
Pre-Departure Meeting #1	<ul style="list-style-type: none"> Course Overview 	March 27
Pre-Departure Meeting #2	<ul style="list-style-type: none"> Case Study Concept Assignment 	April 10
Pre-Departure Orientation	<ul style="list-style-type: none"> Water Exhibit Visit 	April 26
Pre-Departure Tasks Due	<ul style="list-style-type: none"> Water Exhibit Reflection Modules + Quizzes (2) Case Concept Note 	May 13
The Experience!	<ul style="list-style-type: none"> Living in a leadership and sustainability laboratory 	May 13-30
Study Abroad Assignments Due	<ul style="list-style-type: none"> Comparative Deliverable Peer Reviews + Highlights 	June 14 June 21
Reunion		TBD