



Intro. Environmental Science Lab Syllabus Spring 2023

Course Information

Course Title: Intro. Environmental Science Lab

CRN: 20101

Course number with Section: EVR1001L Section 1

Course Description: This course will provide a hands-on application to topics relating to Environmental Science. Topics covered may include scientific measurements, ecosystems, organism ecology, species population and biodiversity, as well as environmental contamination and climate change

Course Location: Online

Course Day and Time: Online (Asynchronous)

Prerequisites: Minimum grade of "C" in EVR 1001

Corequisites: EVR 1001

Instructor Information

Name: A. Doughty

Office Location: 34/102

Office Hours: Mon: 11:00am - 1:00pm

Tues: 8:00 - 11am

Wed: 12:00 – 1:00pm

Thurs: 8 - 12pm

Phone Number: (850) 973-1645

Email: doughtya@nfc.edu

Instructor Response Time for Phone/Email: I will return your call or email within 48 business hours of receipt, unless it's on the weekend or a holiday and then I will return your call or email on the next business day.

***Note: When sending an email, the subject line must include this course's name (EVR Lab).**

Response Time for Posting Grades on D2L: Exam/Quiz Grades Response Time: Grades will be posted instantly after you take the exam/quiz and once you hit "Save and Submit". Missed exams will have their 0 grades posted within 1 business day after the due date of the exam.

Lab Report, Discussion Posts, Journal Entry Response Time: Grades will be posted no later than 10 business days after due date.

Department Chair: Dr. Guenter Maresch

Department Chair Email: mareschg@nfc.edu

Required Curriculum/Textbook and Course Materials

For textbook questions, please contact bookstore@nfc.edu

Required Textbook: **EVR 1001L - Environmental Science Kit (Physical Kit #3028) (NON-RETURNABLE ITEM)**

Format: Kit, Publisher: ESCIENCE LABS, Pub. Date: 10/1/2018 Edition: Custom

Required Course Materials/Supplies:

- Access to a reliable computer and strong internet connection; free tutoring online is available through SMARTHINKING (accessed through NFC's My Info Network).
- Microsoft Office (Specifically Excel, Powerpoint, Word and OneDrive) physically downloaded on your computer.
- Some labs will require materials that can be found around the home (strawberries, dish soap, red beans, white beans, coffee filters, >75% rubbing alcohol etc.)

Minimum Technological Requirements and Skills:

Technological Requirements:

- Student will need to have access to the internet and an up-to-date computer with working webcam that will run D2L during non-school hours or make provisions to complete all work during campus hours, Monday through Friday, from one of the many computer labs across campus.
- Preferred browsers for D2L and Cengage websites is Firefox/Mozilla/Chrome with all plug-ins up to date for D2L, Safari (Apple devices) may not work well in some instances.
- Student will need Office 365 (specifically PowerPoint, Word and Excel) – available free to registered NFC students, works with Mac and PC but not very well with Chromebooks.
- Online Homework and some virtual labs will be completed using the textbook publisher website which requires an internet browser with pop-ups disabled, a pointing device (mouse or touch screen), and current versions of Flash, Shockwave, and Java installed on your computer. You should access all assignments through the D2L links provided.
- Any technical issues should be troubleshooted immediately
 - ***NFC Technical Support: Contact NFC Computer Services at (850) 973-1672 or email help@nfc.on.spiceworks.com for computer hardware, D2L and general email assistance.***

- **eScience Technical Support:** Visit <http://esciencelabs.com/support> or call 888-375-5487 for assistance.

Skill Requirements:

Students should be able to:

- Initiate troubleshooting of technical difficulties with their computer before contacting instructor or IT. This includes:
 - Taking a screenshot of the error
 - Trying different browsers
 - Clearing cache and cookies of each browser
 - Using “incognito” browser settings.
- Update browser settings, including updating necessary plug-ins and turning on (and off) popups.
- Download files and save files in various formats
- Create and edit PowerPoint and Excel files
- Use their NFC email account to send communication using correct email use and protocol outlined in the Course Email Policy below.
- Be able to view various tutorial videos.

Grading Policy and Assessment Methods

Course Grading/Student Performance Evaluation:

1. Lab Reports (100%)
 - a. The lowest scoring lab will become “dropped” and will not count towards your overall grade

Student grades will be kept in a D2L grade book. Students can access their grades anytime throughout the semester. Grades are calculated as a running total throughout the semester, meaning as new assignments are added you will see the grade change to include the new assignment in the overall score. To periodically calculate your current grade in the course, visit the Grades tab and use the following formula with the fraction numbers you see:

$$(Top\ Number \div Bottom\ Number) \times 100 = \% \text{ Score}$$

Letter grades can be calculated using the scale below.

A = Greater than or equal to 90%

B = Greater than or equal to 80%, but less than 90%

C = Greater than or equal to 70% but less than 80%

D = Greater than or equal to 60% but less than 70%

F = Less than 60%

Mid Term and/or Final Exam Information:

Midterm: None

Final Exam: None

Outcomes/Objectives

GENERAL EDUCATION PROGRAM LEARNING OUTCOMES/OBJECTIVES

1. **Communication Skills:** Students will demonstrate competence and understanding in both oral and written expression.
2. **Critical Thinking:** Students will demonstrate mastery of discipline-specific problem-solving skills.

3. **Diversity:** Students will interpret and evaluate societal and ethical issues, problems and values specific to time and place.
4. **Technology:** Students will demonstrate competence in use of technology appropriate to course and/or circumstance.

Course Level Student Learning Outcomes/Goals

All courses with multiple sections must use the same wording for all SLOs, and assessments must share common attributes.

1. Follow technical instructions and demonstrate the use of technology in methods required to successfully perform laboratory experiments.
2. Demonstrate mastery of interpretation of scientific data by successfully collecting and reporting data

Course Level SLO #	Gen Ed/Program Outcome #	Summative Assessments (A student artifact: A specific assignment that could be submitted as evidence of a General Education competency)
1	1,2, 4	Digital Lab Report
2	1, 2, 4	Digital Lab Report

Course Content and Schedule

Early Alerts: Full Term

#1: February 1-2, 2023

#2: March 1-2, 2023

This is a tentative schedule and is subject to change. Some labs require up to a month for observation before completion – make sure you start those labs early to meet their deadlines (reminders will be provided via the D2L News Feed for this course). The schedule lab activities are listed on the weeks they are recommended to be submitted if you have the lab kit on Week 1.

LAB IMAGE GUIDELINES: All lab exercises should include images that include your original set up (not the supplies, instead set up your supplies for the experiment, then take the picture) and a final observation of the same setup with results evident. Images should be zoomed in to show any and all experimental changes clearly. Images require a piece of paper beside the setup with your name, date and exercise name clearly identified.

IMPORTANT: Lab Acceptance Requirement: All labs require a minimum of 2 photos per lab exercise for lab completion verification (one at the beginning of the experiment, and a second showing the end result). Any lab submitted without the minimum number of images will not be accepted and will be graded as a 0 for incomplete, and the rubric will not apply. Image showing only supplies will not count toward this acceptance requirement.

	Lab/Activity	Approximate Length of each Lab exercise.	Due Date by 12 noon
1	Getting Started Activity (Attendance Verification Quiz)	30 minutes	1/13
2	Lab Safety Contract*	1 hour (to check the lab box supplies)	1/19
3	Scientific Measurements (Lab Kit not required to complete this lab)	Ex 1: 1 hour Ex 2: 1-2 hours Ex 3: 1-2 hours	1/19

	Lab/Activity	Approximate Length of each Lab exercise.	Due Date by 12 noon
4	Ecology Organisms	Ex 1: 2-4 hours Ex 2: 1 hour	2/2
5	Biodiversity	Ex 1: 2 hours Ex 2: Approx. 3 weeks (start no later than 1/23).	2/16
6	Ecosystems	Ex 1: 1-2 hours Ex 2: Approx. 3 weeks (start no later than 2/6)	3/2
7	Energy Resources	Ex 1: 1-2 hours Ex 3: 1-2 hours	3/23
8	Air Quality	Ex 1: 3 days Ex 2: 7 days (start no later than 3/20)	3/30
9	Weather	Ex 1: 1 hour	4/13
10	Climate Change	Ex 2: 2 hours Ex 3: 4 hours	4/27

* Lab Safety Contract must be completely filled out and submitted to the dropbox before any other lab can be submitted. **In order to complete the Lab Safety Exercise, you MUST have your kit already in front of you.** See the Lab Grading Policy in the Course Policy Statements section below regarding grades on all other labs in the course.

NFC Course Policy Statements

ATTENDANCE VERIFICATION POLICY (Week 1: Initial Attendance Verification) At the beginning of the semester, the instructor must report “no show” students for this course. “No show” indicates the student will be removed from the course. In order to be considered as attending the online course, the student must log in to D2L and complete “Getting Started,” step #1. Students will be prompted to complete the Mandatory Attendance quiz by the deadline as given on the course schedule; this quiz will verify students’ attendance in the course.

COURSE PARTICIPATION POLICY: Student is responsible for logging in daily, checking course News Feed notices, checking emails daily, and ensuring all assigned tasks are completed on or before the due date for each module. See Missed Test Policy, Missed Lab Policy and Late work/Extension Policy.

DIRECT QUOTES POLICY: No direct quotes will be accepted in this course, and could result in a 0 on the writing assignment. Direct quotes do not count toward length requirements (if the assignment has a minimum length requirement).

EMAIL POLICY – All email should be sent and received via the NFC email account and should have your course name in the subject. Communication from personal email accounts is not acceptable and may not be answered due to spam and junk mail filters. You are expected to check your NFC email regularly (at least once per day) – this is my main mode of communication outside of the scheduled class time. Email messages are a form of **formal communication** (not a messaging app), which means I expect to see:

- A subject line which includes your course name and a very brief summary of topic
- The body should include a greeting and then your inquiry – be specific again to your course name as well as the file/exam name. Please limit the use of SMS texting language and use proper sentence structure (Capitals, comma’s, periods etc).
- You should always end your message with your name, preferably including your last name

EXTENSION (DATE/TIME) POLICY - There are no date extensions provided on any assignments, quizzes or exams throughout the semester. Most assignments and exams are open on Day 1 of the semester,

allowing at least 2 weeks or more to work on the assignments. Please refer to Late Work Policy for late submissions.

EXTRA CREDIT POLICY: Extra credit work is optional and built into the course, which can help improve your grade. No extra credit assignments will substitute for missed exams, lab reports, or any other graded assignment. Extra credit will not be provided on an individual basis. All students will have the same opportunities for extra credit.

LATE WORK POLICY: No lab work is accepted over 12 hours late and will receive a 0 on that assignment. Refer to Missed Lab Policy.

MISSED LAB POLICY – The lab assignments should be completed and submitted before their assigned date (or earlier if you have the time). Any missed labs will automatically receive a 0 after the module date has passed. There are no make-up labs provided. Up to 1 missed lab will automatically be dropped from the overall score.

REDO POLICY - There will be no “Redo” opportunities on assignments/lab reports/online homework/exams offered in this course. The score you receive on an assignment will remain that score for the semester.

TURNITIN SCORE POLICY- Used on lab reports and other written assignments for purposes of plagiarism amongst students as well as outside sources. For Lab Reports - Scores should be no higher than 40% similarity to other sources OR for Discussions and Journals – scores should be no higher than 20% similarity to other sources. You should submit early enough (24-48 hours) to allow the score to appear. If the score is high you should reword your report and resubmit (again allowing enough time for the score to appear). Any Turnitin scores 15% or higher on submissions will be evaluated for similarity in individual answers – any paragraphs, answers, materials, or methods 90% highlighted (majority highlighted) will result in an automatic 0 for that entire lab report.

LAB REPORT TURNITIN SCORE:

Turnitin Score	Lab Report Score
<40% : All answers original	Acceptable
<40% : 90% similarity on one or more question responses	Automatic 0 on first offense. Student will be contacted by the instructor regarding NFC Academic Honesty Policy.
41-50	Report Grade minus 20%
51-60	Report Grade minus 30%
>61	Automatic 0 on first offense. Student will be contacted by the instructor regarding NFC Academic Honesty Policy.

NFC Information and Policy Statements

Academic Honesty

NFC is committed to providing a high-quality educational experience to all students, and students are expected to follow appropriate and honest academic practices. This information is available in the Academic Regulations section of the college catalog at www.nfc.edu. All cases of academic dishonesty will be reported to the Office of Academic Affairs.

Instructors use www.turnitin.com to review papers and projects for improper citation and/or plagiarism by comparing each student's report against billions of internet pages, a repository of works submitted to Turnitin in the past, and thousands of academic sources. A comparison document called the *Similarity Report* details the areas of a student paper that may have been documented incorrectly or used improperly. **Refer to instructor's course policy statements for usage details.**

Attendance Policy

Regular and consistent attendance facilitates student success. Absences beyond the equivalent of two weeks of class are considered to be excessive and thus may impact a student's course grade. Typically, two weeks of class would be described as follows:

- For a three-credit hour class that meets MW or TR: 4 class meetings (2 weeks).
- For a three-credit hour class that meets once a week for three hours: 2 class meetings (2 weeks).

Students are responsible for material covered during their absence. Refer to instructor makeup policy.

If there is no verifiable participation within the first week of the term, a student will be dropped from the class for non-attendance. This includes classes delivered in face-to-face, online, or hybrid format. See instructor policy.

Textbook Purchases

All required course materials are listed in the Virtual Bookstore tab on NFC's homepage. Course materials purchased through Follett, NFC's only contracted vendor, can be charged against a student's financial aid account. Course materials may also be purchased from any other source with the understanding that these non-Follett purchases cannot be charged against a student's financial aid account.

Used Book Purchases

Students should check the Follett book list found in the Virtual Bookstore tab on NFC's homepage for correct titles and editions. Note: The ISBN listed in Follett may include both the required text and a required access code. When considering purchasing used books, students should be sure the purchase includes the ACCESS CODE in courses where required. If not, the access code must be purchased separately at an additional cost.

Students/Visitors: Where to Park on Campus

If you have any questions about parking on campus, contact Campus Security at (850) 973-0280. Park in designated parking spaces only. Do not park on the grass or in undesignated areas. Faculty/Staff parking areas are to be used only by full- and part-time employees of the college. Faculty and staff parking spaces are lined in yellow and are clearly marked "STAFF". Students and visitors can park in any spaces that are lined in white. **NOTE: Some visitor parking spaces are lined in yellow with the word "Visitor" in the center. These are for visitors only. Students are not allowed to park in these spaces. Vehicles cannot be parked by backing into the space. Any vehicle that is illegally parked will be towed at the owner's expense. Refer to the college catalog or student handbook for all other parking regulations.**

Enforcement: If a vehicle is parked illegally anywhere on campus, it is subject to be towed at the owner's expense (\$85.00+). An illegally parked vehicle will be given a **WARNING on the FIRST OFFENSE. There will be no second warning.** Illegally parked vehicles will be **TOWED ON THE SECOND OFFENSE.** Signs will be displayed near parking areas with the name and address of the company to contact if the vehicle is towed.

The company that tows the vehicle is an independent company contracted by North Florida College. The College has no authority to negotiate towing fees and is not in any way responsible for damage or liability to the vehicle or its contents. The company that provides the towing service is:

Jimmie's Firestone
6025 South SR 53
Madison, FL 32340
(850) 973-8546

Campus Security

The administration of NFC works diligently to make the campus as safe as possible. A few of the procedures in place include the use of security officers, the placement of security lights at strategic locations, and the locking of buildings when not in use. Students should always be alert and use normal precautionary measures at all times. Campus crime statistics are documented annually and are available in the college catalog. Campus security can be contacted at 850-973-0280 from 7:30 a.m. until 11:30 p.m. for assistance while on campus with non-emergency security concerns. All emergency incidents should be reported directly to 911.

Library Services

The Marshall Hamilton Library, located in Building 4 at NFC, is open during the following hours (hours are subject to change):

On Campus:

Monday – Thursday 8:00 a.m. – 7:00 p.m.
Friday 8:00 a.m. – 4:30 p.m.

Virtual appointments:

Monday-Thursday 8:00 a.m. – 4:30 p.m.

Resources and staff are available in the Library to support student learning in the classroom. Students are encouraged to visit our website and use the online resources. Students may make an appointment to receive help or use computers during the posted hours. Librarians are on duty to help with questions and research strategies. To gain access to the Library's extensive collection of electronic resources such as eBooks and academic databases with full-text articles, students will use the Single Sign-on through the MyNFC portal or Library Website. Students should contact the library at library@nfc.edu or call (850) 973-1624 if they are having login issues. Online library resources are available to students 24 hours a day through the Library's website, <https://www.nfc.edu/learning-resources/>. Wireless Internet is also accessible in the Library and on the patio after hours. Specific policies and regulations applicable to the Library are available in the Library or by visiting the Library's website.

Academic Success Center

The Academic Success Center (ASC) exists to provide all NFC students, regardless of academic proficiency, the help and support necessary to ensure successful completion of studies and programs. Services include one-on-one peer and professional tutoring assistance, online

tutoring, organized group study sessions, workshops, study skills training, academic coaching, web resources, and more. The ASC takes pride in working closely with faculty and staff to develop resources and to support the various academic programs offered at NFC.

Walk-in and by appointment services: Students may visit the ASC (Bldg. 4) for in-person services or make an appointment to receive in-person or virtual academic support services during the posted hours:

Monday-Thursday	8:00 a.m. – 5:30 p.m.
Friday	8:00 a.m. – 4:30 p.m.

- **Workshops, organized group study sessions, and professional tutoring:** See the ASC calendars and schedules on NFC's website for specific dates, times, and delivery methods. For additional information visit <https://guides.nfc.edu/asc>.

Smarthinking Online Tutoring

Online tutoring is available to NFC students 24 hours a day, 7 days a week, through Smarthinking. Each NFC student has access to a Smarthinking account and 240 minutes of free tutoring services. Located in D2L, Smarthinking offers a variety of tutoring services including drop-in live sessions, scheduled sessions, submit a question, and writing center submissions. Smarthinking covers a wide range of subjects like basic math, algebra, statistics, trigonometry, calculus, chemistry, physics, accounting, reading and writing (all subjects). Sessions are archived and available for students to review at any time for studying or test preparation.

For more information about accessing the Smarthinking online tutoring service, see the ASC webpage or contact Elizabeth Gonzales at gonzalese@nfc.edu or (850) 973-1719 and/or Brianna Kinsey at kinseyb@nfc.edu or (850) 973-9458.

For **any** additional information regarding services provided by the **Academic Success Center**, please contact any of the following:

- Elizabeth Gonzales, Academic Success Center Coordinator (850) 973-1719 / gonzalese@nfc.edu
- Academic Success Center (ASC) (850) 973-1624 / asc@nfc.edu

Americans with Disabilities Act

NFC is dedicated to the concept of equal opportunity. Students desiring modifications in class or on campus due to a disability may choose to inform the instructor at the beginning of the semester or contact the Disability Resource Center directly. Accommodations and modifications will be made after the student registers with the Disability Resource Center and provides appropriate documentation of disability. After the documentation is evaluated, the instructor may be involved in providing accommodations to equalize the student's educational experience. Students may call (850) 973-1683 (V) or (850) 973-1611 (TTY) for an appointment or additional information.

Technology Access

All NFC online learning tools are available on the MyNFC portal. To access the portal, students should click the MyNFC link at the top of the NFC website (<http://www.nfc.edu>) or type the following URL into the Internet address bar: <https://my.nfc.edu>. **When accessing the portal for the first time, students should click the "First Time User" link and follow the instructions to set up the account.**

Each NFC student is provided an email account through GoMail. The student's GoMail account is the official email address used by faculty and staff for communication with the student. A student can access his/her GoMail account via the MyNFC portal. Students are expected to check their GoMail accounts regularly.

Desire2Learn (D2L) is the learning management system that houses all online and supplemented face-2-face courses. Students can log in to an online or supplemented course by accessing the MyNFC portal. Students will then see their course(s) listed under the "My Courses" widget on the D2L homepage. Click the name of the course to begin.

Student Ombudsman

The Student Ombudsman provides confidential, informal, and neutral assistance to students seeking to resolve disputes or address issues of importance. The Student Ombudsman does **not** serve as a student *advocate*, but rather serves as a guide to assist students in the navigation of College organizational structure and in understanding of policies and procedures. David Paulk is the current Student Ombudsman. He can be reached at (850) 973-9418 or paulkd@nfc.edu.

Equal Opportunity Statement

North Florida College is dedicated to the concept of equal opportunity and access to all programs and activities. In accordance with federal and state laws, and College policy, NFC does not discriminate in any of its policies, procedures or practices on the basis of race, ethnicity, color, religion, sex, national origin, gender, age, disability, pregnancy, marital status, genetic information or any other characteristic protected by law. Inquiries or complaints regarding equity issues of any nature may be directed to Denise Bell, Equity Coordinator, 325 NW Turner Davis Drive, Madison, FL 32340, Telephone (850) 973-9481 or email equity@nfc.edu.

Student Rights

As members of the College community, students have certain rights that include the following.

Students have the

- Right to a quality education;
- Right to freedom of expression;
- Right to hold public forums;
- Right to peacefully assemble;
- Right to a fair and impartial hearing;
- Right to participate in Student Government;
- Right to be a member in authorized student organizations;
- Right to appeal College decisions through established grievance procedures;
- Right of personal respect and freedom from humiliation and control;
- Right to make the best use of the student's time and talents and to work toward the goal which brought the student to the College; and
- Right to ask about and recommend improvements in policies that affect the welfare of students.

Student Responsibilities

As members of the College community, students have certain responsibilities that include the following.

Students are

- Expected to assume responsibility for knowing the rules, regulations and policies of the College;
- Expected to meet the course and graduation requirements of the students' program of study;
- Expected to keep college records current with up-to-date addresses and other information;
- Expected to meet with an academic advisor at least once each term;
- Expected to comply with College rules, regulations and policies; and
- Expected to behave in a manner which demonstrates respect for others and self.

Student Rights Under the Family Educational Rights and Privacy Act (FERPA)

FERPA affords students certain rights with respect to their educational records.

1. The right to inspect and review the student's educational records.
2. The right to request the amendment of the student's educational records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights.
3. The right to consent to disclosure of personally identifiable information contained in the student's educational records, except to the extent that FERPA authorizes disclosures without consent.
4. The right to file with the U.S. Department of Education a complaint concerning alleged failures by North Florida College to comply with the requirements of FERPA. Please write to: U.S. Department of Education, 600 Independence Ave. S.W., Washington, D.C. 20203.
5. The right to obtain a copy of North Florida College's student record policy from the Office of the Registrar, North Florida College, 325 NW Turner Davis Drive, Madison, Florida 32340.

Vulnerable Persons Act

All faculty and staff of North Florida College are required by law to report any type of abuse of minors that they witness or become aware of through written or verbal communication, regardless of the time that has passed since the abuse occurred. Students are advised that any information, written or verbal, communicated in this class, or to the instructor in any way, in regards to any willful act or threatened act that results in any physical, mental, or sexual abuse, injury, or harm that causes or is likely to cause harm to the physical, mental, or emotional health of another to be significantly impaired is subject to disclosure as required per Florida State Statutes.