

**Summer Internship
5-hour credit
ENV 295-1 Special Topics
Spring Semester 2022**

Instructor:	Steven Chischilly	Email:	schischilly@navajotech.edu
	Room 301, Science	Office	505 786 4147
Office	Tech Building	Phone:	
Information:	M-F by	Home or	NA
	appointment	Cell:	

Class Location: Room 301, Science Technology Building

Meeting Times: Fridays, 8AM-3PM

Required Materials:

Research Paper: How Climate Change is affecting or may affect Navajo Culture, with specific emphasis on material culture obtained from the environment (herbs used for medicinal treatment, wildlife extirpation and migration, a shift of world view and presence with a changing climate). Twelve pages in length, double spaced, 30 references including interviews. Research will be evaluated on the following criteria with each area worth 25% of the total: 1. Length, 2. Format, 3. Spelling and Grammar, and 4. Specific focus and content with references (do you address the content assigned and back it up with scholarly references).

A 30 minute presentation will also be required at the end of the semester with Powerpoint covering the research and subsequent findings.

Tools: Field notebook, equipment needed for field work

Lab Fee: \$100 per student per semester

Course Description: This course is required to graduate from NTU with a bacheloreate degree in Environmental Science and Natural Resources. The course is intended to incorporate hands-on field work into the curriculum, addressing current issues and how climate change may affect Dine' culture, and may already be changing the culture. Issues of food sovereignty shall be covered and how climate change may ultimately change Navajo culture.

Course Objectives:

1. Understand, through research and interviews, how climate change is and may change these two areas of research: Navajo traditional farming, and Navajo culture, analyzed holistically. Use Navajo Fish and Wildlife, Navajo Anthropologists, ITEP, and others for guidance and reference.

COURSE OUTCOMES	COURSE MEASUREMENTS
Define climate change with examples, showing research documenting it on the Navajo Nation;	Research summary and bibliography;
Show evidence of climate change occurring and how it is affecting Navajo lifestyle and culture;	References/Literature Review/Interviews;
Conduct field work working on the Pinyon Pine climate change research project;	Be able to state what the objects of this research is and how it is being done;
Understand how Climate Change may and can change Navajo culture over time and be able to explain how Navajo elders feel about this;	Personal interviews with elders, documenting with interview notes their perspective on these changes.

Grading Plan:

Literature Review/Bibliography-- 30%; Research Paper and Presentation—30%; Field Work—20%; Attendance- 20%

90-100% : A 80-89% : B 70-79% : C 60-69% : D 59-Below : F

Assignments:

Research Paper: Covered above.

Literature Review/Bibliography: 30 references per student in pre-determined areas. These must be peer reviewed, scientific published works.

Field Work: Follow your internship review analysis forms for an idea of what is expected of you.

Grading Policy

Each student must do his or her own homework and case studies. Discussion among students on homework and cases is encouraged for clarification of assignments, technical details of using software, and structuring major steps of solutions. Students must do their own work on the research paper and literature review. Cheating and Plagiarism are strictly forbidden.

Participation/Attendance

Students are expected to attend and participate in all class activities- as listed above, as it **is 20% of the grade**. Points will be given to students who actively participate in class activities including field trips, laboratories, and ask questions of guest speakers and other presenters.

Cell phone and headphone use

Please turn cell phones off or place them on silence or vibrate mode **before** coming to class. Also, answer cell phones **outside of class** (not in the classroom). Exercising cell phone use courtesy is appreciated by both the instructor and classmates. Headphones are to be removed before coming to class.

Attendance Policy

Students are expected to regularly attend all classes for which they are registered. A percentage of the student's grade will be based on class attendance and participation. Absence from class, regardless of the reason, does not relieve the student of his/her responsibility to complete all course work by the required deadlines. Furthermore, it is the student's responsibility to obtain notes, handouts, and any other information covered when absent from class and to arrange to make up any in-class assignments or tests if permitted by the instructor. Incomplete or missing assignments will necessarily affect the student's grades. Instructors will report excessive and/or unexplained absences to the Counseling Department for investigation and potential intervention.

Students will be dropped from the class after three (3) absences unless prior arrangements are made with the instructor to make up work and the instructor deems any excuse acceptable. Also, tardies are also tallied. Three tardies are considered one absence, and nine tardies will cause the student to be dropped from the course.

Study Time Outside of Class for Face-to-Face Courses

For every credit hour spent in a class, a student is expected to spend two hours (2) outside of class studying the course materials or conducting research. So, for a five hour credit science class, the student is advised to study at least 10 hours per week outside of class to keep up with the work.

Study Time for Hybrid or Blended Courses

For a hybrid or blended course of one (1) credit hour, a student is expected to spend three (3) hours per week studying the course materials.

Study Time for Online Courses

For an online course of one (1) credit hour, a student is expected to spend four hours (4) per week studying the course materials.

Academic Integrity

Integrity (honesty) is expected of every student in all academic work. The guiding principle of academic integrity is that a student's submitted work must be the student's own. Students who engage in academic dishonesty diminish their education and bring discredit to the University community. Avoid situations likely to compromise academic integrity such as: cheating, facilitating academic dishonesty, and plagiarism; modifying academic work to obtain additional credit in the same class unless approved in advance by the instructor, failure to observe rules of academic integrity established by the instructor. **The use of another person's ideas or work claimed as your own without acknowledging the original source is known as plagiarism and is prohibited.**

Diné Philosophy of Education

The Diné Philosophy of Education (DPE) is incorporated into every class for students to become aware of and to understand the significance of the four Diné philosophical elements, including its affiliation with the four directions, four sacred mountains, the four set of thought processes and so forth: Nitsáhákees, Nahát'á, Íina and Siih Hasin which are essential and relevant to self-identity, respect and wisdom to achieve career goals successfully.

Students with Disabilities

The Navajo Technical University and the NTU Science Department are committed to serving all enrolled students in a non-discriminatory and accommodating manner. Any student who feels he/she may need an accommodation based on the impact of disability or needs special accommodations should inform NTU in accordance with the procedures of the subsection entitled "Students with Disabilities" under Section 7: Student Support Programs, NTU Student Handbook, or simply see Mr. Chischilly for assistance.

Email Address

Students are required to use NTU's email address as a formal mode of communication.

The Instructor may change or modify the syllabus at their discretion during the course of the semester, and I understand and shall abide by the rules established by this syllabus, if I choose not to, I know I can be dropped from the class by the Instructor.

I am responsible for my own education, that means being on time, not making excuses, blaming the instructor or others for my inability to do homework or study, or fail the course. I understand that tardies and unexcused absences will negatively affect my grade and may ultimately cause me to be dropped from the course as stated in this syllabus. Also, I am expected to be in attendance and participate in all field trips, field work, and assignments, including conducting research for the research paper. Students are expected to work in the classroom during the week, working on research, data analysis, conducting research, and completing assignments.

Name: _____ Date: _____