**Institute of American Indian Arts**

**Our Mission**

**"To empower creativity and leadership in Native arts and cultures through higher education, lifelong learning, and outreach."**

**Syllabus and Course Outline**

***Spring 2020***

***SCIE 101-01 and SCIE 101L-01* – *Ethnobotany of the Southwest* – *Lecture 3 credits, Lab 1 credit***

**CLASS MEETS T and TH 4:20-7:20 pm**

**Course Description & Overview:** The study of the interaction of plants and people, including the influence of plants on Native culture is the focus of the interdisciplinary field of ethnobotany. This introductory course will focus on plant species with major economic, medicinal and ceremonial uses. The course includes an examination of the intricate relationship between people and plants from PaleoIndian Big Game Hunters to the present in the desert Southwest. .

This course fulfills: X Core Curriculum Requirements

**Faculty Contact Information:**

Jennifer Ferguson Room: 302

Office phone 505- 438-4059 Hours : *Vary by day*- *email/text to confirm availability*

Cell 505-426-7776

Email jennifer.ferguson@atcschool.org

**Goals and Learning Outcomes:**

1. To understand the range and history of uses of plants by Native American and historic Americans, particularly in the Southwestern American desert
2. To gain an appreciation of the contributions made by Native Americans to the fields of botany, ecology, and pharmacology.
3. To understand the importance of Indigenous Knowledge (IK) systems
4. To understand and use botanical terms, plant names, and basic plant anatomy
5. To understand and apply how plant properties, phenology, and reproductive cycles impact human utility of plants.

Essential Studies Department Learning Outcomes:

***1.  Students will effectively engage in critical dialogue.***

Recognize and respect roles of diversity and diverse perspectives

Engage in reflection as tools for learning.

Appropriately utilize math, writing, science, reading, and oral communication in critical discussions.

***2.  Students will demonstrate effective leadership and collaboration.***

Integrate concepts of personal, social, ecological, and cultural sustainability and transformation in various contexts.

Communicate effectively in various leadership and collaborative contexts.

Actively participate in collaborative contexts.

***3.  Students will explore the role of storytelling in lifelong learning and transformation.***

Students will generate creative stories.

Analyze the role of storytelling in multiple contexts, including the communication of information about plant histories and uses.

Effectively integrate research and visual images in storytelling.

Analyze relationships between storyteller and audience.

**Course Materials and Supplies:**

1. *Tales of a Shaman’s Apprentice* by Mark J. Plotkin (will receive a copy in class)

2. *Wild Plants of the Pueblo Province* by William W. Dunmire and Gail D. Tierney (will receive a copy in class)

4. Additional readings will either be distributed hardcopy; or available online

**Course Prerequisites:** none

**Enrollment Limit:** 14

**Disability Support Policy Statement:** If you anticipate barriers related to the format or requirements of this course, please meet with me so that we can discuss ways to ensure your full participation in the course. IAIA makes every effort to provide appropriate accommodations for students with documented disabilities. If you determine that disability-related accommodations are necessary, please register with the Retention Director, Jeminie Shell, and notify me of your eligibility for reasonable accommodations. Jeminie Shell may be reached by telephone at **505-424-5707** or email [jshell@iaia.edu](mailto:jshell@iaia.edu) We can then work together to plan how best to coordinate your accommodations.

**Academic Integrity:** Honesty in completing assignments is essential to the mission of IAIA and to the development of the personal integrity of students. Students are expected to be honest in regard to their studies at IAIA. Plagiarizing assignments, copying examinations, illegally procuring or possession examinations, presenting another’s artwork as one’s own, or altering records shall all be considered academic dishonesty.

Plagiarism of Written Source Material

Three different acts are considered plagiarism:

1. Failing to cite quotations and borrowed ideas
2. Failing to enclose borrowed language in quotation marks
3. Failing to put summaries and paraphrase in a student’s own words

Penalties for academic dishonesty may include: failing grades for individual assignments, a failing grade for the course, academic suspension and/or expulsion from IAIA.

In an effort to ensure the integrity of the academic process in online courses, and in an effort to detect and prevent plagiarism, distance education faculty members may use electronic means to compare a student’s work with multiple sources. Electronic resources may include, but are not limited to, Blackboard SafeAssign™, Google™ Scholar, Turnitin.com, or Eve 2.5.

**Privacy Policy: Family Educational Rights & Privacy Act (FERPA)**

In accordance with FERPA (P.L. 93-380) (http://www.ed.gov/policy/gen/guid/fpco/ferpa/ index.html), college records are confidential. These records consist of the student’s admission application, high school and/or college transcripts, records of grades and academic standing, and any notes, memos, or letters about the student’s scholastic progress.

The only people who have access to a student’s file are:

* College faculty and staff who are conducting College business
* Federal, state, and local officials who by law must receive information from The College
* Any party designated by judicial order or subpoena, provided The College notifies the student.
* Anyone who has the student’s written consent.

**Attendance/Participation Policy:** Consistent and attentive participation is vital to academic success and is expected of all students. All faculty track attendance and may withdraw students who miss three classes or who are repeatedly tardy. Grades are determined by academic performance, and instructors may require participation related to specific classroom activities. Participation may constitute a specific percentage of students' grades. Attendance is mandatory. Consult the IAIA Attendance Policy in the Academic Catalog.

I will regularly generate attendance/tardy reports. Noting reduced participation due to documented student illness, serious illness or death in the student's immediate family, official school activity, active military service that is of a reasonable brief duration, or other verified absences deemed appropriate by the instructor. Students must consult with faculty regarding the completion of make-up work.

Reduced participation does not exempt students from academic requirements. Reduced participation, even if documented, may result in a student failing the course. An incomplete may be granted at the end of the semester if the student has a passing grade, but only if the instructor determines that it is feasible for the student to successfully complete remaining assignments after the semester. See Incomplete Policy in the Academic Catalog.

**ATTENDANCE POINTS:**

**5 pts. added for each lecture class you attend**

**10 pts. subtracted for each lecture class you miss**

**10 pts. added for each lab you attend**

**15 pts. subtracted for each lab you miss**

**20 pts. subtracted for each scheduled field trip you miss**

This is in effect **except** for pre-arranged absences (with a form submitted in advance) and with a signed doctor’s excuse- if you are ill.

**Communication Etiquette:** Communicating clearly face to face or on the Internet without creating misunderstandings is a challenge.

These guidelines hopefully will help you:

* Be respectful and considerate of others
* Be clear
* Use appropriate language
* Be brief and stay on topic
* When using email make a good impression: your words and content represent you; review/edit your words and images before sending
* Texting acronyms or texting language is not appropriate for academic online communication
* Be selective on what information you put in an e-mail or on a web site: Information on the Internet is very public, and can be seen by anyone in the world including criminals, future employers, and governments
* Forward e-mail messages you receive only with permission of the sender
* Remember you are not anonymous: what you write in an e-mail and web site can be traced back to you
* Do not send SPAM: SPAM is posting or e-mailing unsolicited e-mail, often advertising messages, to a wide audience (another way of thinking of it is electronic junk mail)

**Instructor-initiated Withdrawal:** Instructors may initiate the withdrawal of a student from their course for Poor attendance (non-participation online), unsatisfactory progress or unacceptable behavior.See Withdrawal Policy in the Academic Catalog.

**Activities, Assignments, and Grading Policy:**

Your **Final** grade for this class will consist of:

Midterm Exam 15%

Weekly reading quizzes/reports 10%

Class presentations 30%

Class participation 15%

Class attendance 10%

Final 20%

100%

**1. Two PowerPoint Oral Presentations:** .

Every student will give oral PowerPoint presentations (**4-6 minutes maximum**) on:

an important medicinal, food or ceremonial plant (global, contemporary focus)

an important native plant utilized in the SW desert

a technology utilizing native plants of the SW desert

Handouts will detail each of these presentations.

**2**. There will be a **weekly assignment** of a Reading (with accompanying quiz or report), DVD , or other homework.

**3. Exams- Both a midterm and final exam will be given**

**4. Participation: in-class activities include plant anatomical observations, cooking, and production of a plant reference specimen collection.**

**Grading:**

In addition to the traditional A-B-C-D-F grades, at IAIA, instructors have the option of assigning “+” and “-“ grades as well. Percentage columns below are intended only as a guideline. Faculty may change this and they may add above their own grading procedures.

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| --- | --- | --- | --- | --- | --- |
| **Grade** | **Quality Points** | **Percentage** | **Grade** | **Quality Points** | **Percentage** |
| A+ | 4.00 | 97 – 100 | C | 2.00 | 74 – 76 |
| A | 4.00 | 94 – 96 | C- | 1.67 | 71 – 73 |
| A- | 3.67 | 91 – 93 | D+ | 1.33 | 67 – 70 |
| B+ | 3.33 | 87 – 90 | D | 1.00 | 64 – 76 |
| B | 3.00 | 84 – 86 | D- | 0.67 | 61 – 63 |
| B- | 2.67 | 81 – 83 | F | 0.00 | Below 61 |
| C+ | 2.33 | 77 – 80 |  |  |  |

An Incomplete is only given for extreme illness or other emergency at the end of a semester when all other work has been successfully completed.

**CLASS DOCUMENTS**: readings, syllabus, handouts, etc. will be delivered as paper copies in class and available digitally via my website: jfergusonscience.weebly.com .

YOU MUST BE ABLE TO ACCESS THIS MATERIAL

**DVDs/Videos: Available for viewing via links on website**

**Scope and Sequence (Weekly Schedules)** can be found here:

<https://docs.google.com/document/d/e/2PACX-1vR3Txus74JY3hfzCUog2DJrnC-J4YhLdGisMaODTN4BVCqj6PQJVqe4CNudc4vKQFq6JE6m1OXM1Au2/pub>