Botany 107 Syllabus: Plants, People and Culture, Fall 2021

Labs	Zoom Links	TAs	Time
Lab Sect 01	https://hawaii.zoom.us/j/97174174365	Ana Flores	8:30-9:20 am
Lab Sect 02	https://hawaii.zoom.us/j/97172782411	Mersedeh Pejhanmehr	9:30-10:20 am
Lab Sect 03	https://hawaii.zoom.us/j/94918413859	Mersedeh Pejhanmehr	10:30-11:20 am
Lab Sect 04	https://hawaii.zoom.us/j/98256954716	Mersedeh Pejhanmehr	11:30-12:20 pm
Lab Sect 05	https://hawaii.zoom.us/j/97355984536	Ana Flores	12:30-1:20 pm
Lab Sect 06	https://hawaii.zoom.us/j/91797011428	Ana Flores	1:30-2:20 pm

Labs: Fridays
Lab Passcode: botany107

Lectures: Tuesdays and Thursdays, 10:30-11:20 am
Zoom link for lecture: https://hawaii.zoom.us/j/94707678729
Meeting ID: 947 0767 8729
Passcode: botany

Lectures/Labs	Date	Topics for Lecture and Lab
Lecture 1	T: 08/24/21	Introduction to course
Lecture 2	TR: 08/26/21	Consider the Coconut **(Read Balick & Cox, Chapter 1: People and Plants)**
Lab 1	**F: 08/27/21**	**Introduction to Ethnobotany Lab**
Lecture 3	T: 08/31/21	Scientific Method
Lecture 4	TR: 09/02/21	Canoe Plants
Lab 2	**F: 09/03/21**	**Home Ethnobotany Project (List plants)**
Lecture 5	T: 09/07/21	Guns Germs and Steel **(There is also a Guns Germs and Steel, National Geographic Video that you can watch)**
Lecture 6	TR: 09/09/21	Origin of Agriculture **(Read Balick & Cox, Chapter 3: Food)**
Lab 3	**F: 09/10/21**	**Plant a Seed Project**
Lab 3	**F: 09/10/21**	**Submit Plant List from Lab 2 assignment**
Lecture 7	T: 09/14/21	Transported Landscapes

Lecture 8	TR: 09/16/21	Spices
Lab 4	**F: 09/17/21**	**Visit Ka Papa Loʻi O Kānewal (Video, No Zoom Meeting)**
Lecture 09	T: 09/21/21	**Video: Ethnobotany of Limu**
Exam 1	TR: 09/23/21	
Lab 5	**F: 09/24/21**	**Spice Garden at Lyon Arboretum (Video, No Zoom Meeting)**
Lecture 10	T: 09/28/21	Ethnomycology.
Lecture 11	TR: 09/30/21	Beverages and Fermentation
Lab 6	**F: 10/01/21**	**Fermentation**
Lecture 12	T: 10/05/21	Plant Pathogens and the course of history **Optional reading: https://sites.google.com/site/135botany/welcome-to-the-botany-135-home-page/lect06-diseases-of-some-crop-plants**
Lecture 13	TR: 10/07/21	Video: American Chestnut Blight-Greatest Forest Loss in History Ted Talk Video: Reviving the American Forest with the American Chestnut:
Lab 7	**F: 10/08/21**	**Asian Fruits and Veggies**
Lecture 14	T: 10/12/21	Non-Timber Forest Products **(Read Balick & Cox: Chapter 4: Plants and Material Culture)**
Lecture 15	TR: 10/14/21	Ethnobotanical Methods (Instructions on How to Write Your "Family Interview", due December 7th.
Lab 8	**F: 10/15/21**	**Ethnobotanical Methods**
Lecture 16	T: 10/19/21	Ethnoecology and Conservation (Dr. Tamara Ticktin Video Lecture on YouTube) **[Read Balick and Cox, Chapter 6: Conservation]**
Lecture 17	TR: 10/21/21	Plants in Ritual and as Symbols **(Read Balick and Cox, Chapter 5: Etheogens)**
Lab 9	**F: 10/22/21**	**My Pet Plant**
Lecture 18	T: 10/26/21	Stimulating Beverages: An Ethnobotanical History of Coffee and Chocolate (Dr. Tamara Ticktin video)
Lecture 19	TR: 10/28/21	Psychoactive Fungi and Mushrooms
Lab 10	**F: 10/29/21**	**East West Center Tea Garden (Video, No Zoom Meeting)**
Exam 2	**T: 11/02/21**	

Lecture 20	TR: 11/04/21	Psychoactive Plants: Dr. Mark Merlin, https://www.youtube.com/watch?v=VX_G
Lab 11	**F: 11/05/21**	**Cordage**
Lab 11	**F: 11/05/21**	**Submit Plant a Seed project from Lab 3**
Lecture 21	T: 11/09/21	Folk Taxonomy
	TR: 11/11/21	**Holiday: Veterans Day**
Lab 12	**F: 11/12/21**	**Folk Taxonomy**
Lecture 2	T: 11/16/21	Medicinal Plants
Lecture 2	TR: 11/18/21	Fiber Plants
Lab 12	**F: 11/19/21**	**Botanical Basis for Clothing**
Lab 12	**F: 11/19/21**	**Submit Pet Plant project from Lab 9**
Lecture 24	T: 11/23/21	Diseases, Illnesses and Herbal Remedies
	TR: 11/25/21	**Holiday: Thanksgiving (Non-Instructional Day)**
No Lab	**F: 11/26/21**	**Non-Instructional Day**
Lecture 25	T: 11/30/21	Genetically Modified Organisms (GMOs). Read New York Times GMO Article About Hawai‘i
Lecture 26	TR: 12/02/21	Plants and People and Ethical Dilemmas
Lab 13	**F: 12/03/21**	**Ethnobotanical Treasure Hunt**
Lecture 27	T: 12/07/21	Plants and Revolution, **Family Interview Due**
Exam 3	**T: 12/09/21**	

Instructor:	**Email**	
George Wong	gwong@hawaii.edu	T & TR: 10:30-11:20
Teaching Assistants:		
Ana Flores	flores29@hawaii.edu	10:30, 12:30 and 1:30 sections
Mersedeh Pejhanmehr	mersedeh@hawaii.edu	8:30, 9:30 and 11:30 sections

Learning Outcomes for Introductory Ethnobotany:

The field of ethnobotany encompasses nearly every aspect of human livelihoods from the dawn of civilization up to the present day. From the sacred Bodhi trees of south Asia to the sorghum fields of central Kansas, this class will explore how we manipulate plants to suit our needs, and how plants manipulate our cultures to suit theirs. By the end of this course, students will have obtained an understanding of how plants have, and continue to shape human livelihoods and culture. While a significant portion of the class will examine people and plants from around the globe, a principal learning objective is that students will learn to discuss and appreciate the roles of plants in their own daily lives. Students will become familiar with the basic tools of botanical and social sciences in order that they may conduct their own independent ethnobotanical research.

Course Details:

Introductory Ethnobotany is a three-credit class, there are two lectures per week and a 50-minute laboratory on Fridays. Labs will generally consist of hands-on exercises or video demonstrations. Because of Covid-19, we've changed the format of these so that you will not be required to come on campus, and many will be completed independently on your own time. Your safety is important to us and we won't ask you to do anything that we wouldn't feel safe doing ourselves. However, the most important thing is that I hope that we will have a great semester.

All information is posted on the course Laulima site. Please refer to this website for up- to-date information about course schedules and assignments. If you have questions about an assignment or course content, please feel free to email me. If you want to talk to me, the best way to do that is to email me and we can set up an appointment on Zoom.

Lectures:

The lectures are asynchronous! However, in order to have some organization in this course, I will give "live" lectures on Tuesdays and Thursdays, 10:30 - 11:20 AM on Zoom, using the following link: https://hawaii.zoom.us/j/94707678729
Meeting ID: 947 0767 8729
Passcode: botany

During all live lectures, I will also be recording the lectures. I will post the links to the lecture videos in a pdf file on Laulima that will be updated each time I post a new lecture video.

You can watch the lecture videos on your own time, but please make sure to watch them before the exams that will cover those videos.

Video Assignments:

There will be some lecture dates in which I will not lecture. Instead, I will assign a video and on one date two videos. I will give you questions before the date of the assigned video that you will answer while you are watching the video. The questions will be given in the order in which they occur in the video. Thus, if you happen to skip over a question and are answering the question after the one you have missed, you will have to "rewind" the video to a point before the question you answer to look for the question that you missed. You are not to turn in the answers to the questions. Instead, save your answers because some of these

questions will appear as exam questions. You do not have to view the video on the date that I have assigned it, but obviously, you will need to view the video and answer the questions that I have given you before the exam in which some of these questions will appear.

Lab:

Labs will be a combination of independent activities video demonstrations. When available, you'll benefit from participating in the "live" interactions on Zoom. The first lab will meet on Friday, August 27, during the time of your lab section. If you can't attend the interactive session, for whatever reason, a link to video recording will be posted on Laulima so that you can catch up.

1. Create a free Zoom account, using your UH email (https://zoom.us/freesignup/) and use this to access the course.
2. Do not share access to class meetings with anyone who is not registered for the course.
3. Have a camera and microphone enabled, so everyone in the class can see and hear you.
4. Do not record meetings or take screen shots. Sharing these without people's permission is a violation of the Federal Education Rights and Privacy Act (FERPA).

Lab Zoom Links:

Friday Labs are synchronous and they meet at the times indicated at the beginning of the syllabus. **Mersedeh Pejhanmehr** will be the TA for sections 1-3, and **Ana Flores** will be the TA for sections 4-6, at the times indicated above: The Links and Meeting IDs are listed below. **Passcodes for all sections is botany107**:

Mersedeh Pejhanmehr

1. Sections 01
    a. Link: https://hawaii.zoom.us/j/98256954716
    b. Meeting ID: 982 569 54716
2. Section 02
    a. Link: https://hawaii.zoom.us/j/97172782411
    b. Meeting ID: 971 7278 2411
3. Section 03
    a. Link: https://hawaii.zoom.us/j/94918413859
    b. Meeting ID: 949 1841 3859

Ana Flores

1. Section 04
    a. Link: https://hawaii.zoom.us/j/97174174365
    b. Meeting ID: 971 7417 4365

2. Section 05
    a. Link: https://hawaii.zoom.us/j/97355984536
    b. Meeting ID: 973 5598 4536
3. Section 06
    a. Link: https://hawaii.zoom.us/j/91797011428
    b. Meeting ID: 917 9701 1428

Reading and Videos:

Readings will be assigned from the course text:

Balick, Michael J. and Paul A. Cox. (1996). ***Plants, People, and Culture: The science of ethnobotany***. Scientific American Library. Reprint edition in 2005 by the American Botanical Council, Austin TX. You can purchase this book in the UH Bookstore, or you can get a used version on Amazon. There is also a Kindle version for less than $10.

Additional readings will be posted on Laulima.

Non-lecture videos are posted on YouTube and are linked to under the "Course Videos" folder in the **RESOURCES** tab of the Laulima site. The videos are also available to watch from DVD in Sinclair Library

Sick Policy:

If you are sick or feeling unwell please take care of yourself and do not come to campus. We trust you, and won't require a doctor's note. Please let your course instructors know if you will miss any assignments so that we can figure out a makeup opportunity.

Accommodations for Students with Disabilities:

We will make every effort to accommodate students with disabilities. If you feel that you have a disability that might make it difficult to participate in certain course activities, please contact Dr. Wong as early as possible. The KOKUA program for students is located on campus and is well suited to help overcome difficulties, more information on this office is available on their website: www.hawaii.edu/kokua. Any information discussed with instructors or KOKUA about student disability is confidential.

Exams:

There are three exams: Each exam will be worth100 points and will be administered on Laulima and will cover roughly one third of the course. There is no final exam! Exams will be open notes/text/internet. We only ask that you work alone. On the date of the exam, you will have 55 minutes to take the exam and you may take it anytime between 9:00 AM to 9:00 PM.

Written Assignments:

There are two major writing assignments:

The first writing assignment will involve a research paper about a plant of your choosing that is growing close by.

The final written project is an interview with a family member.

In addition, there are two experiments you will conduct at home. A “list” of plant you use in your own home, and an experiment germinating various seeds

All of these should be submitted on Laulima under the "Assignments" tab.

Academic Honesty:

All students are presumed to be familiar with departmental policies regarding academic integrity. Refer to the Student Conduct Code Policies http://studentaffairs.manoa.hawaii.edu/downloads/conduct_code/UHM_Student_Conduct_Code.pdf for additional information. Students should not tolerate instances of dishonesty among their peers, and you are strongly encouraged to discuss any instances you may know about with a member of the course staff. Such information will be treated confidentially. To learn more about what constitutes plagiarism, and how to avoid it. Please consult this page from the UH English Language Institute: https://www.hawaii.edu/eli/useful-information-for- students/academic-honesty/

Policy on late work:

Deadlines for all work in this course are firm and are announced well in advance; all of them are published in the syllabus and on Laulima. If you plan ahead, there should be no need to turn work in late. Any worksheet or final project that is turned in late will have its grade lowered by 10% for each day that it is late. For this purpose, any part of a 24-hour period is considered one day. So, a paper that would have received a score of 85% if turned in at 12:30 PM, will instead receive a score of 75% if turned in at 4 PM. This policy is intended to encourage you to plan ahead and to keep in mind the likely possibility of computer and internet failures etc. Post a botany-themed picture or gift under the Easter Egg assignment on Laulima before 8/27 to receive an extra credit point. These inconveniences may be beyond your control, but are not valid reasons for turning work in late. This policy may seem harsh to some of you, but in a large course like this one, it is the only way to be fair to the majority of students who plan their time well and are careful to meet deadlines. The course staff promises that they, too, will abide by deadlines, returning graded work as promptly as is reasonable, given the size of the course.

Grading:

Points	Credit	Due Date
10	Ethnobotany at Home Plant List	9/10
50	Exam 1	9/23
18	Spices at Lyon Arboretum	10/15
50	Exam 2	11/2
20	Plant Seed Experiment	11/5
30	Pet plant	11/19
100	Family Interview **(Submit on Laulima)**	12/7
50	Exam 3	12/9
328 Total		

Grades will be assigned based on a percentage of the total obtained as follows:

A+=100%; **A** = 93-96.9%; **A-**=90-92.9%; **B+**=87-89.9%; **B**=83-86.9%; **B-**=80-82.9%; **C+**=77-79.9%; **C**=73-76.9%; **C-**=70-72.9%; **D+**= 67-69.9%; **D**=63-66.9%; **D-**=60-62.9 %