

BOT 199 Independent Study

STUDENTS: Kailua High School

ADVISOR: Hongwei Li

TIME: Spring 2017

TITLE: Research experience in Ethnopharmacognosy and Plant Biotechnology: Medicinal Plants

COURSE DESCRIPTION:

- Introduction to fundamental principles and techniques in Ethnopharmacognosy and Plant Biotechnology.

COURSE OBJECTIVE:

- Understand fundamental concepts and principles of Ethnopharmacognosy and Plant Biotechnology.
- Develop the critical thinking and basic skills in scientific research.

RESOURCE MATERIALS

- <https://www.ncbi.nlm.nih.gov/pubmed/>
- *Ethnopharmacognosy Series V: Pharmaceutical and Nutraceutical Values of Vanda Miss Joaquim*. Ingelia White. 2016
- *Ethnopharmacology*, edited by Michael Heinrich and Anna K. Jager, 2015. Wiley-Blackwell.
- *Plant Biotechnology : Experience and Future Prospects*, edited by Agnes Ricroch, Surinder Chopra and Shelby Fleischer. 2014. Springer International Publishing.

METHOD OF GRADING:

Activity Participation	100 points
Presentation	100 points
Overall Performance	100 points
Research Report	100 points
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Total	400 points

A letter grade (A – F) will be assigned based upon the percentage of total points as follows:

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|--|--|
| A. 90% or above of the total possible points | B. 80-89% of the total possible points |
| C. 70-79% of the total possible points | D. 60-69% of the total possible points |
| F. Below 60% of total points | |

CLASS SCHEDULE

Jan. 20	BOT199 Introduction and Posters for CTE Career Industry Fair Ethnopharmacognosy and Plant Biotechnology
Jan. 27/Feb.3	Group Study
Feb. 10	Giving Group Presentations and Finalizing Posters
Feb. 17	Bioprocessing Medicinal Garden Complex (WCC)
Feb. 24	Introduction of the Research Project.
Mar. 3	No Class (Excellence in Education Day, UH CC)
Mar. 10	Laboratory Research (WCC)
Mar. 17	Laboratory Research (WCC)
Mar. 24/31	Spring Break (HDOE and UH)
Apr. 7	Research Result Analysis and Discussion
Apr. 21	Field Trip/Workshop (WCC)
Apr. 28	Field Trip/Workshop (WCC)

Botany 105(64445) Botany 199v (64476) Spring 2017
Special Early Admit Program (Early College)WCC &KHS
1-09-2017 Through 5-12-2017

Bickel, Nandini
Chun, Noah C.
Gosiaco, Krestian F.
Kaonohi, Kaila-Ann L.
Kekua, Kahoopomaikai N.
LeLesch, Gabriel P.
Marrotte, Zachary I.
Pedrina, Brysen
Shepard-Costa, Sarah K.
Tangonan, Joleen F.
Wong, Elias K.

All Registered in BOTK
2/7/17

WINDWARD COMMUNITY COLLEGE INDEPENDENT STUDY PROJECT PROPOSAL FORM

(Refer to current WCC Catalog for registration deadline)

(Please type or print clearly in black or blue ink)

Student's Name: _____ ID #: _____
Last First MI

Mailing Address: _____
Street

City _____ State _____ Zip Code _____ Phone No.: _____

Degree Objective: CO in PFPaT Major: _____

General Project Information

Botany _____ 99V 199V 299V No. of Credits: 1 Grading Method: A-F CR-NC
Discipline (1 - 4)

Start date: 01 / 20 / 2017 End date: 04 / 28 / 2017 This project/study is an extension of:
 BOT _____ 160, 105
Course Number

Project Advisor: Hongwei Li Contact Info: hli@hawaii.edu

Title of Project (20 characters max):

M	E	D	I	C	I	N	A	L		P	L	A	N	T	S				
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To be filled out by Vice Chancellor of Instruction's Office

Course Alpha: BOT 199V

CRN: 64476

Semester (Check One): Fall Spring Summer

Year: 2017

If no course exists, please give reasons why the project should be approved.

Required Signatures

Student: See Attached List Date 2-8-17

Project Advisor: _____ Date 01/26/2017

Dept. Chair: _____ Approved Disapproved Date 2/8/17

Dean or Vice Chancellor of Instruction: _____ Approved Disapproved Date 2/8/17

To A&R 2/8/17