Name:_____ ID:_____

AGRIPHARMATECH
ETHNOPHARMACOGNOSY 2019-20
Graduation Checklist for Windward Community College
CERTIFICATE OF ACHIEVEMENT (CA) – 30 credits

The CA in Agripharmatech: Ethnopharmacognosy will prepare students to enter occupations for employment as Food Scientists and Technologists, Soil and Plant Scientists, Microbiologists, Biological Scientists, Conservation Scientists, Life Scientists, Agricultural and Food Science Technicians, Biological Technicians, Forensic Science Technicians, or Forest and Conservation Technicians. The students receive hands-on training in basic/applied sciences and research in botany, microbiology, orchidology, chemistry, cell and molecular biology, plant tissue culture, phytobiotechnology and ethnopharmacognosy. The CA A-EP focuses on the study of plant-based pharmaceutical / nutraceutical product manufacturing.

This certificate consists of 30 credits. See course descriptions for prerequisites.

This is not an official document. Check catalog for course description and prerequisite. **Check course core designation at the Class Availability website. Course core designation may differ at the various UH campuses.** See your academic counselor if you need help.

		COURSE	CREDIT	GRADE	SEMESTER YEAR
REQUIRED CAPSTONE CLASS – 4 credits					
BOT 205	Ethnobotanical Pharmacognosy (4)		4		
REQUIRED COURSES – 17-18 credits					
AG 152	Orchid Culture (3)		3		
BOT 160 or BOT 101/101L or BIOL 172/172L	Identification of Tropical Plants (3) General Botany/Lab (3/1) General Biology II/Lab (3/1)		3/4		
ENG 100 or SP 151	Composition I (3) Personal and Public Speech (3)		3		
MATH 100	Survey of Mathematics or higher		3		
MICRO 130	General Microbiology (3)		3		
MICR 140L	General Microbiology Lab (2)		2		
ELECTIVE COURSES – 8-9 credits					
	Total Credits		**30**		

Ethnopharmacognosy Electives			
AG 149	Plant Propagation (3)	BOT 199/ 299	Independent Study (1-4, with approval)
BOT 105	Ethnobotany (3)		Involves Pharmaceutical/ Nutraceutical Research
BOT 130/130L	Plants in the Hawaiian Environment/Lab (3/1)	CHEM 161/ 161L	General Chemistry I/ Lab (3/1)
BOT 192	Special Topics	FSHN 185	Human Nutrition (3)

Graduation Requirements

- □ 2.0 cumulative grade point average.
- □ Residency requirement: At least 20% of the required courses in the major area (the final credits) must be earned at the College. Under certain circumstances, this requirement may be waived upon request made to the Vice Chancellor of Academic Affairs.
- □ Last day for graduation certification is the last day of instruction.