

Tropical Agriculture and the Environment (TAE)

Landscape Horticulture

*UH Manoa requirements are those in effect for the 2017-2018 academic year. Students are advised to consult future UH Manoa catalogs to determine if changes have been made to any requirements.

UHM General Education Core Requirements (three credits each, unless noted otherwise)

College of Tropical Agriculture and Human Resources Requirements

A. Foundations

- (1) FW =Written Communication (ENG 100, ENG 100A, ENG 190, ESL 100 or AMST 111)
- (2) FS = Symbolic Reasoning (MATH 140 or NREM 203)
- (3) FG = Global & Multicultural Perspective (A/ B/ C), first course
FG =Global & Multicultural Perspective (A/ B/ C), second course

G. CTAHR Required Set of Interrelated Courses

- (1) FAMR 380* DS & 380L Research Methodology (4 cr) **OR** NREM 310 Statistics in Agriculture (3 cr)
- (2) TPSS 492 Internship (TPSS 492 (1 cr) + TPSS 492L (3 cr) = 4 credits)

B. Diversification

- (1) DA/DH/DL =Arts, Humanities, & Literature, first course
- (2) DA/DH/DL = Arts, Humanities, & Literature, second course
- (3) DS = Social Sciences, first course
- (4) DS = Social Sciences, second course
- (5) DB = BIOL 171
- (6) DY = BIOL 171L (1cr)
- (7) DB = BIOL 172
- (8) DY = BIOL 172L (1cr)
- (9) DP = CHEM 161 (3cr)
- (10) DY = CHEM 161L (1cr)
- (11) DP = CHEM 162 (3cr)
- (12) DY = CHEM 162L (1cr)

Tropical Agriculture and the Environment (TAE) Requirements (21 Credits)

H. TAE Core

- (1) TPSS 200 Agriculture, Environment, and Society
- (2) BIOL 265 Ecology and Evolutionary Biology or PEPS 210 Introduction to Environmental Science
- (3) TPSS 304 Fundamentals of Soil Science (4)
- (4) TPSS 470 Plant Physiology
- (5) TPSS 470L Plant Physiology Laboratory
- (6) PEPS 421W Foundations of Pest Management (4)
- (7) TPSS/PEPS 499 Directed Research (3)

UHM Graduation Requirements Focus

- (1) H = Hawaiian, Asian & Pacific
- (2) E = Contemporary Ethical Issues (300+) will be satisfied by taking any one of the following: TPSS 416 Introduction to Social, Ethical, and Political Issues Associated with Biotechnology; PEPS 310 Environment and Agriculture; PEPS 350 Invasive Pest Species; PEPS 451 Environmental Law; MBBE/BIOL 304 Biotechnology: Science and Ethical Issues; CMB 351/BIOL 340 Genetics, Evolution and Society
- (3) Oral Communication (300+)
- (4) Writing Intensive (W)
 - a. First 100 or 200-level course
 - b. Second 100 or 200-level course
 - c. TPSS 200W, Tropical Crop Science, third course
 - d. Fourth course, PEPS 421 Foundations of Pest Mgmt
 - e. Fifth course, TPSS 492L, Internship

Certificate in Agribusiness Management

- (1) ECON 130 Principles of Economics
- (2) TPSS 322 Farm & Food Marketing or BUS 312
- (3) TPSS 341 Managerial Accounting
- (4) TPSS 351 Enterprise Management
- (5) TPSS 429 Spreadsheet Modeling for Business & Economic Analysis

Graduation Requirements

E. Grade Point Average (GPA)

- (1) 2.0 cumulative or higher
- (2) Good academic standing

F. Credit Minimums

- (1) 120 Credits - Total Applicable
- (2) 30 Credits in residence at UHM Graduation
- (3) 45 Upper Division (300+) credits

D. Hawaiian/Second Language - *Alternative*

Any four (4)-course combination of Languages, TPSS, PEPS or other approved related course not used to satisfy requirements in the TAE major.

- (1) First course
- (2) Second course
- (3) Third course
- (4) Fourth course

Landscape Horticulture

Group A: Fundamental courses (take all five)

- (1) TPSS 463 Irrigation & Water Management
- (2) PEPS 363 General Entomology (3) & Lab (1)
- (3) TPSS 481 Weed Science
- (4) PEPS 405 Plant Pathogens & Disease (4)
- (5) TPSS 354 Tropical Landscape Planting Design Studio

Group B: Design & Practice courses

(Select courses from the following for 15 credits minimum)

- (1) TPSS 350 Tropical Landscape Practices
- (2) TPSS 351 Enterprise Management*
- (3) TPSS 352 Landscape Architecture History: Theory & Practice
- (4) TPSS 353 Landscape Graphics Studio
- (5) TPSS 354 Tropical Landscape Planting Design Studio
- (6) TPSS 369 Ornamental Plant materials
- (7) TPSS 409 Cultural Geography
- (8) TPSS 421 Tropical Seed Science (2)
- (9) TPSS 429 Spreadsheet Modeling for Business & Economic Analysis*
- (10) TPSS 430 Nursery Management
- (11) TPSS 440 Tissue Culture & Transformation
- (12) TPSS 453 Plant Breeding & Genetics
- (13) TPSS 473 Postharvest Physiology
- (14) TPSS 491 Experimental Topics (variable credit)
- (15) TPSS 499 Directed Study (variable credit)
- (16) ARCH 442 Introduction to Urban Design
- (17) SOC 301 Survey of Urban Sociology
- (18) ART 113 Introduction to Drawing
- (19) BOT 440 Advanced Ethnobotany
- (20) GEOG 309 Plants, People and Ecosystems
- (21) GEOG 330 Culture and Environment