



Global Systems Agroecology concentration

Student Name: UFID:

COURSES TOWARDS CONCENTRATION

** Indicates course contributes to Soil and Water Sciences Major GPA in the PhD Degree*

Doctor of Philosophy Requirements

- Total of 90 Credits Beyond Bachelor's Degree
- Student Must Take Seminar (SWS 6931)
- Must Fulfill PHD Teaching/Service Requirement – 2 Credits (See Below For Details)
 - Teaching for Matching Assistantship Does Not Apply

Course Number & Title	Credits	Year & Term	Campus or WEB	Grade
*ALS 5155 Global Agroecosystems	3	Fall		
AGR 5511 Crop Ecology	3	Fall		
AGR 5444 Ecophysiology of Crop Production	3	Spring		
AGR 6233 Tropical Grassland Agroecosystems	3	Fall Odd		
*SWS 5050 Soils for Environmental Professionals	3	Fall or Spring		
*SWS5246 Water Sustainability	3	Spring Odd		
Semester Abroad at Partner Institution		Dates		
*SWS 6905 International Agroecology Experience	3	Post Abroad		
SWS 6931 – Seminar	1	Fall or Spring		
SLS Teaching Service Requirement – 2 Credits	-	-	-	-
SWS 6940 – Supervised Teaching	1	TBA		
SWS 6910 – Supervised Research or SWS 6940 – Supervised Teaching	1	TBA		
Social Science and Economics (e.g., FNR 6669)	3			
Modeling (e.g., ABE 5643)	3			
Ecology (e.g., PCB 5338)	3 or 4			
SWS 7979 – Advanced Research (Pre-Quals)	15+	Multiple		
SWS 7980 – Doctoral Research (Post-Quals)	15+	Multiple		
Transfer Credits				

Category Choices...

Social Science and Economics

FNR6669 - Policy and Economics of Natural Resources (3 credits) (*highly recommended*)

AGG5607 – Communicating in Academia (3 credits)

AEC 5454 - Leadership Develop. for Extension & Community Nonprofit Organizations (3 credits)

AEC 6325 - History and Philosophy of Agricultural Education (3 credits)

AEC 6211 – Delivering Educational Programs in Agricultural Settings (3 credits)

Modelling

NOTE: Prerequisite for modeling courses:

ALS 5932 Intro to Applied Statistics or STA 6166 Statistical Methods 1 or equivalent

ABE 5643C - Biological Systems Modeling (3 credits) (highly recommended)

ABE 5646 - Biological and Agricultural Systems Simulation (3 credits)

ABE 5015 - Empirical Models of Crop Growth & Yield Response (3 credits)

ABE 6254 - Simulation of Agricultural Watershed Systems (3 credits)

ABE 6644 - Agricultural Decision Systems (3 credits)

ABE 6933 - Crop Simulation (3 credits)

Ecology

PCB 5338 - Principles of Ecosystem Ecology (3 credits) (highly recommended)

WIS 5496 - Research Design in Wildlife Ecology (Fall - 3 credits)

WIS 5521 - Plant-Animal Interactions (every other year – 3 credits)

WIS 5555C - Conservation Biology (Fall – 3 credits)

PCB 6447C - Community Ecology (4 credits)

AUDIT:

GPA in Concentration: _____

Partner Institution: _____

Mentor name: _____

Research Area: _____

Dates Abroad: _____

Research Results: Seminar Title: _____

Seminar Presentation Date: _____

Student Signature: _____

Committee Chair Name & Signature: _____

Committee Member or Co-Chair (Please Indicate) Name & Signature: _____

Committee Member Name & Signature: _____

Committee Member Name & Signature: _____

External Member Name & Signature: _____