

Q2S Binder for Environmental and Plant Biology

General Info

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Department/School Info

College: A&S(null)

Department: PBIO(Environmental and Plant Biology)

Mission: The mission of the Department of Environmental and Plant Biology at Ohio University is education, research, and professional service focusing on plants, people, and the environment. We are one of the few programs in the U.S. that offer students broad training in botany, including plant structure, function, genetics, development, evolution, systematics, and ecology. The educational goals of the department are to provide: 1) undergraduate and graduate students with a broad education in plant biology as an integrated discipline, with one of the two undergraduate major tracks emphasizing the interaction of plants and their environment; and 2) graduate students with the opportunity for specialized research in four focus areas within plant biology.

We study plant biology at three organizational levels: cellular, organismal, and ecological. Some areas of study, such as genetics, development, and evolution, transcend these organizational levels. The department strives to maintain a balance of faculty at these three levels in order to provide students with a comprehensive understanding of plants and their environmental interactions, as well as the technical skills required across a wide-range of careers. Complementing the department's breadth is the development of a specialized focus area within each organizational level and a fourth focus area that spans all three levels. The selected focus areas are 1) plant cell wall biotechnology, 2) evolutionary developmental plant biology, 3) phylogenetic systematics, and 4) eastern deciduous forest ecology.

Undergraduates may major in Plant Biology (B.S.) or Environmental Biology (B.A.), and we also offer a Plant Biology minor. At the graduate level, the department has master's and doctoral degree programs and currently participates in two interdepartmental degree programs: Environmental Studies (M.S.) and Molecular and Cellular Biology (M.S., Ph.D.).

Programs

Moving to Semesters	Code	Name	Degree	Status	Level
Yes	BS1901	ENVIRONMENTAL & PLANT BIOLOGY	BACHELOR OF SCIENCE IN ENVIRONMENTAL AND PLANT BIOLOGY	REVIEW	UCC
Yes	BS2111	ENVIRONMENTAL & PLANT BIOLOGY	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	BA2111	Field Ecology	BACHELOR OF ARTS	REVIEW	UCC
No	BS2115	PBIO APPLIED ECOLOGY	BACHELOR OF SCIENCE	REVIEW	UCC
No	BS2118	PBIO CELL BIOL & BIOTECHNOLOGY	BACHELOR OF SCIENCE	REVIEW	UCC
No	BS2113	PBIO ENVIRONMENTAL BIOLOGY	BACHELOR OF SCIENCE	REVIEW	UCC
Yes	OR2111	ENVIRONMENT PLANT BIOL MINOR	PLANT BIOLOGY MINOR	REVIEW	UCC
Yes	MS2111	PLANT BIOLOGY	MASTER OF SCIENCE	REVIEW	UCC
Yes	PH6949	MOLECULAR/CELLULAR BIOL	DOCTOR OF PHILOSOPHY	REVIEW	UCC
Yes	PH2111	PLANT BIOLOGY	DOCTOR OF PHILOSOPHY	REVIEW	UCC
Yes	SCPPIO	SCPPIO Shared Components	N/A	REVIEW	UCC

Courses

Course ID	Name	Course Type	Doc. Type	Doc. Status	Review Level
BIOL 1010	PRIN OF BIOLOGY	TIER2	EXPEDITED	REVIEW	UCC
PBIO 1000	WORLD OF PLANTS	TIER2	EXPEDITED	REVIEW	UCC
PBIO 1000L	WORLD OF PLANTS LAB	TIER2	EXPEDITED	REVIEW	UCC
PBIO 1030	PLANTS & PEOPLE	TIER2	EXPEDITED	REVIEW	UCC
PBIO 1090	AMERICAN FORESTS	TIER2	EXPEDITED	REVIEW	UCC
PBIO 1140	FOUNDATIONS OF PLANT BIOL	TIER2	EXPEDITED	REVIEW	UCC
PBIO 1150	PLANT STRUCTURE & DEVELOPMENT	TIER2	EXPEDITED	REVIEW	UCC
PBIO 2090	PLANT ECOLOGY	TIER2	EXPEDITED	REVIEW	UCC
PBIO 2140	EXPLORING BIOINFO I	TIER2	EXPEDITED	REVIEW	UCC
PBIO 2170	WOMEN IN SCIENCE		EXPEDITED	REVIEW	UCC
PBIO 2200	WOODY PLANTS		EXPEDITED	REVIEW	UCC
PBIO 2250	FLOWERS		EXPEDITED	REVIEW	UCC
PBIO 2470	Biomes of the World		EXPEDITED	REVIEW	UCC
PBIO 2840	INTRO GL STUDIES SEMINAR		EXPEDITED	REVIEW	UCC
PBIO 2900	SPECIAL TOPICS		EXPEDITED	REVIEW	UCC
PBIO 2970T	PLANT BIOL TUTORIAL		COMPOSITE	REVIEW	UCC

PBIO 2971T	PLANT BIOL TUTORIAL		EXPEDITED	REVIEW	UCC
PBIO 2980T	PLANT BIOL TUTORIAL		COMPOSITE	REVIEW	UCC
PBIO 2981T	PLANT BIOL TUTORIAL		EXPEDITED	REVIEW	UCC
PBIO 3010	LAB CAMPP		EXPEDITED	REVIEW	UCC
PBIO 3020	SOIL MICROBIAL LAB	UNDERGRAD	SEMESTER	REVIEW	UCC
PBIO 3030	MEDICINAL PLANTS-OHIO		EXPEDITED	REVIEW	UCC
PBIO 3050	PLANT PROPAGATION		EXPEDITED	REVIEW	UCC
PBIO 3080	Structural botany		COMPOSITE	REVIEW	UCC
PBIO 3100	BIOLOGY OF FUNGI		EXPEDITED	REVIEW	UCC
PBIO 3140	EXPL BIOINFO SEM	TIER2	EXPEDITED	REVIEW	UCC
PBIO 3150	STATISTICAL METHODS PL BIOL		EXPEDITED	REVIEW	UCC
PBIO 3160	HORTIC MGT & TECH		EXPEDITED	REVIEW	UCC
PBIO 3190	Ohio Flora	UNDERGRAD	SEMESTER	REVIEW	UCC
PBIO 3220	TROPICAL PLANT ECOLOGY		EXPEDITED	REVIEW	UCC
PBIO 3240	ADVANCED PLANT PHYSIOLOGY		EXPEDITED	REVIEW	UCC
PBIO 3260	PHYSIOL PLANT ECOLOGY		EXPEDITED	REVIEW	UCC
PBIO 3300	PLANT GENETICS		EXPEDITED	REVIEW	UCC
PBIO 3330	RESTORATION ECOLOGY		EXPEDITED	REVIEW	UCC
PBIO 3400	LAND PLANTS	UNDERGRAD	SEMESTER	REVIEW	UCC
PBIO 3530	PLANT DEVELOP PHYSIOL		EXPEDITED	REVIEW	UCC
PBIO 3970T	PLANT BIOL TUTORIAL		EXPEDITED	REVIEW	UCC
PBIO 3980T	PLANT BIOL TUTORIAL		EXPEDITED	REVIEW	UCC
PBIO 4090	PLANT SYSTEMATICS		EXPEDITED	REVIEW	UCC
PBIO 4120	PLANT PATHOLOGY		EXPEDITED	REVIEW	UCC
PBIO 4160	BIOINFORMATICS TOOLS		EXPEDITED	REVIEW	UCC
PBIO 4170	BIOL RES SCI ETHICS		EXPEDITED	REVIEW	UCC
PBIO 4180J	WRITING SCI RESEARCHER	TIER1	EXPEDITED	REVIEW	UCC
PBIO 4200	PHYCOLOGY		EXPEDITED	REVIEW	UCC
PBIO 4270	MOLECULAR GENETICS		EXPEDITED	REVIEW	UCC
PBIO 4280	Genomics Laboratory	UNDERGRAD	SEMESTER	REVIEW	UCC
PBIO 4310	PLANT CELL BIOLOGY		EXPEDITED	REVIEW	UCC
PBIO 4350	PLANT POP & COMM ECOLOGY		COMPOSITE	REVIEW	UCC
PBIO 4380	SOILS AND ECOSYSTEMS		COMPOSITE	REVIEW	UCC
PBIO 4420	EXPER ANAT PLANT DEVELOP	TIER3	EXPEDITED	REVIEW	UCC
PBIO 4500	BIOTECHNOLOGY		EXPEDITED	REVIEW	UCC
PBIO 4750	PLANT SPECIATION AND EVOL		EXPEDITED	REVIEW	UCC
PBIO 4850	PLANT BIOLOGY CAPSTONE		EXPEDITED	REVIEW	UCC
PBIO 4910	INTERNSHIP		EXPEDITED	REVIEW	UCC
PBIO 4940	UNDERGRAD RESEARCH		EXPEDITED	REVIEW	UCC
PBIO 4941	UNDERGRAD RES/WRIT PRES		EXPEDITED	REVIEW	UCC
PBIO 4945H	THESIS	TIER3	EXPEDITED	REVIEW	UCC
PBIO 4970T	PLANT BIOL TUTORIAL		EXPEDITED	REVIEW	UCC
PBIO 4980T	PLANT BIOL TUTORIAL		EXPEDITED	REVIEW	UCC
PBIO 5010	LAB CAMPP		EXPEDITED	REVIEW	UCC
PBIO 5020	SOIL MICROBIAL LAB	GRADUATE	SEMESTER	REVIEW	UCC
PBIO 5080	STRUCTURAL BOTANY	GRADUATE	COMPOSITE	REVIEW	UCC
PBIO 5090	PLANT SYSTEMATICS		EXPEDITED	REVIEW	UCC
PBIO 5100	BIOLOGY OF FUNGI		EXPEDITED	REVIEW	UCC
PBIO 5150	STATISTICAL METHODS PL BIOL		EXPEDITED	REVIEW	UCC
PBIO 5160	BIOINFORMATICS		EXPEDITED	REVIEW	UCC
PBIO 5170	BIOL RES SCI ETHICS	GRADUATE	EXPEDITED	REVIEW	UCC
PBIO 5180	WRITING LIFE SCI		EXPEDITED	REVIEW	UCC
PBIO 5190	Ohio Flora	GRADUATE	SEMESTER	REVIEW	UCC
PBIO 5200	PHYCOLOGY		EXPEDITED	REVIEW	UCC
PBIO 5220	TROPICAL PLANT ECOLOGY		EXPEDITED	REVIEW	UCC
PBIO 5240	ADVANCED PLANT PHYSIOLOGY		EXPEDITED	REVIEW	UCC
PBIO 5260	PHYSIOL PLANT ECOLOGY	GRADUATE	EXPEDITED	REVIEW	UCC
PBIO 5270	MOLECULAR GENETICS	GRADUATE	EXPEDITED	REVIEW	UCC
PBIO 5280	Genomics Laboratory	GRADUATE	SEMESTER	REVIEW	UCC
PBIO 5300	PLANT GENETICS	GRADUATE	EXPEDITED	REVIEW	UCC
PBIO 5310	CELL BIOLOGY		EXPEDITED	REVIEW	UCC
PBIO 5330	RESTORATION ECOLOGY	GRADUATE	EXPEDITED	REVIEW	UCC
PBIO 5350	PLANT POP & COMM ECOLOGY		COMPOSITE	REVIEW	UCC
PBIO 5380	SOILS AND ECOSYSTEMS	GRADUATE	COMPOSITE	REVIEW	UCC
PBIO 5400	LAND PLANTS	GRADUATE	SEMESTER	REVIEW	UCC

PBIO 5420	EXPER ANAT PLANT DEVELOP		EXPEDITED	REVIEW	UCC
PBIO 5500	BIOTECHNOLOGY		EXPEDITED	REVIEW	UCC
PBIO 5750	PLANT SPECIATION AND EVOL		EXPEDITED	REVIEW	UCC
PBIO 6500	INSTRUMENTATION & TECHNIQUES		EXPEDITED	REVIEW	UCC
PBIO 6510	PLANT BIOCHEMISTRY		EXPEDITED	REVIEW	UCC
PBIO 6700	BOTANICAL PEDAGO		EXPEDITED	REVIEW	UCC
PBIO 6940	GRADUATE RESEARCH		EXPEDITED	REVIEW	UCC
PBIO 6950	THESIS		EXPEDITED	REVIEW	UCC
PBIO 6970	SEMINAR		EXPEDITED	REVIEW	UCC
PBIO 6971	TOPICS IN BOTANY		EXPEDITED	REVIEW	UCC
PBIO 6972	TOPICS-CELL BIOL		EXPEDITED	REVIEW	UCC
PBIO 6973	TOPICS IN ECOL & EVOL		EXPEDITED	REVIEW	UCC
PBIO 8950	DISSERTATION		EXPEDITED	REVIEW	UCC
T305 4020	Sustainable Agriculture	TIER3	EXPEDITED	REVIEW	UCC
T305 4091	ISLAND AND ENVIRONMENT	TIER3	EXPEDITED	REVIEW	UCC
T305 4950	BIOL & GEOG FOOD PLANTS	TIER3	EXPEDITED	REVIEW	UCC

Exceptions - Credit Analysis

Course ID	Name	Type	Credit Hours	Components	Doc. Status	Review Level
PBIO 2900	SPECIAL TOPICS	EXPEDITED	1.0 - 3.0	SEMINAR	3.0	REVIEW UCC
PBIO 2970T	PLANT BIOL TUTORIAL	COMPOSITE	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 2971T	PLANT BIOL TUTORIAL	EXPEDITED	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 2980T	PLANT BIOL TUTORIAL	COMPOSITE	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 2981T	PLANT BIOL TUTORIAL	EXPEDITED	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 3010	LAB CAMPP	EXPEDITED	2.0	LABORATORY	30.0	REVIEW UCC
				LECTURE	15.0	
PBIO 3970T	PLANT BIOL TUTORIAL	EXPEDITED	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 3980T	PLANT BIOL TUTORIAL	EXPEDITED	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 4170	BIOL RES SCI ETHICS	EXPEDITED	1.0	SEMINAR	2.0	REVIEW UCC
PBIO 4940	UNDERGRAD RESEARCH	EXPEDITED	1.0 - 4.0	RESEARCH	4.0	REVIEW UCC
PBIO 4941	UNDERGRAD RES/WRIT PRES	EXPEDITED	1.0 - 4.0	RESEARCH	4.0	REVIEW UCC
PBIO 4945H	THESIS	EXPEDITED	2.0 - 4.0	RESEARCH	4.0	REVIEW UCC
PBIO 4970T	PLANT BIOL TUTORIAL	EXPEDITED	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 4980T	PLANT BIOL TUTORIAL	EXPEDITED	1.0 - 15.0	TUTORIAL	15.0	REVIEW UCC
PBIO 5010	LAB CAMPP	EXPEDITED	2.0	LABORATORY	30.0	REVIEW UCC
				LECTURE	15.0	
PBIO 5170	BIOL RES SCI ETHICS	EXPEDITED	1.0	SEMINAR	2.0	REVIEW UCC
PBIO 6700	BOTANICAL PEDAGO	EXPEDITED	1.0	TUTORIAL	2.0	REVIEW UCC
PBIO 6940	GRADUATE RESEARCH	EXPEDITED	1.0 - 10.0	RESEARCH	20.0	REVIEW UCC
PBIO 6950	THESIS	EXPEDITED	1.0 - 10.0	THESIS	10.0	REVIEW UCC
PBIO 6971	TOPICS IN BOTANY	EXPEDITED	1.0 - 3.0	SEMINAR	3.0	REVIEW UCC
PBIO 6973	TOPICS IN ECOL & EVOL	EXPEDITED	1.0 - 3.0	SEMINAR	3.0	REVIEW UCC
PBIO 8950	DISSERTATION	EXPEDITED	1.0 - 10.0	THESIS	10.0	REVIEW UCC
T305 4091	ISLAND AND ENVIRONMENT	EXPEDITED	4.0	LABORATORY	45.0	REVIEW UCC
				LECTURE	5.0	

Exceptions - Non Three Hour Lecture

The Ohio University Faculty Senate Resolution on the Number of Semester Hours per Course and Course Meeting Times for Quarters to Semesters (<http://www.ohio.edu/facultysenate/upload/CourseHourTimeResolutionfinal4-2009.doc>) resolved that, as a norm, undergraduate lecture courses on the Athens Campus shall be 3 semester hours and that exceptions to these norms will be allowed on the basis of pedagogical justification specific to a course or course sequence.

Three-hour courses are important for balancing student schedules, and three lecture hour per week blocks are important for classroom utilization. It is understood that there are special cases where the 3-lecture hour course norm does not apply, sometimes for categories of courses (recitals or band), sometimes for disciplinary standards, and sometimes for other reasons.

For the semester courses taught by your department that do not meet the 3 lecture hour norm, give a brief explanation of why the norm was not followed and/or what circumstances make these deviations from the norm not create a problem with classroom scheduling or student schedules. (Notes: Categories of courses can be addressed as a group rather than individually. If you are using a 'disciplinary standard' argument, please make comparisons to Ohio Schools on semesters or to Ohio University peer schools on semesters. If you are using a block scheduling approach, please list the courses that will be block scheduled and identify the semester(s) where the block scheduling applies.)

Reason: PBIO 2140 is a seminar class and thus does not meet the 3 cr hour standard. It is currently a 1 cr hour class and is being directly converted.
 PBIO 4270 is a 3 cr hour classes on quarters and has been converted to 2 credit hours as would be expected without the addition of additional material. This is an advanced specialty course. will be offered infrequently and does not require additional lecture time.
 PBIO 2250 and 3030 are non-major survey courses. The content hours and credits as shown are appropriate for the material.
 All other courses listed here have significant lab or field components and are supported by lecture, thus limited lecture time is needed. Many of these courses have either 3 or 4 total credit hours to fit with the distribution for our students. Lab CaMPP is an even more specialized course in that the course is an intensive one-week laboratory experience. The total contact hours are listed for the one week design and are thus equivalent to 3 cr hours over a semester span.

Course ID	Name	Type	Contact Hours	Doc. Status	Review Level
PBIO 2140	EXPLORING BIOINFO I	EXPEDITED	1.0	REVIEW	UCC
PBIO 2200	WOODY PLANTS	EXPEDITED	2.0	REVIEW	UCC
PBIO 2250	FLOWERS	EXPEDITED	2.0	REVIEW	UCC
PBIO 3010	LAB CAMPP	EXPEDITED	15.0	REVIEW	UCC
PBIO 3030	MEDICINAL PLANTS-OHIO	EXPEDITED	2.0	REVIEW	UCC
PBIO 3050	PLANT PROPAGATION	EXPEDITED	2.0	REVIEW	UCC
PBIO 3080	Structural botany	COMPOSITE	2.0	REVIEW	UCC
PBIO 3100	BIOLOGY OF FUNGI	EXPEDITED	2.0	REVIEW	UCC
PBIO 3240	ADVANCED PLANT PHYSIOLOGY	EXPEDITED	2.0	REVIEW	UCC
PBIO 3260	PHYSIOL PLANT ECOLOGY	EXPEDITED	2.0	REVIEW	UCC
PBIO 3330	RESTORATION ECOLOGY	EXPEDITED	2.0	REVIEW	UCC
PBIO 3400	LAND PLANTS	SEMESTER	2.0	REVIEW	UCC
PBIO 4090	PLANT SYSTEMATICS	EXPEDITED	2.0	REVIEW	UCC
PBIO 4120	PLANT PATHOLOGY	EXPEDITED	2.0	REVIEW	UCC
PBIO 4200	PHYCOLOGY	EXPEDITED	2.0	REVIEW	UCC
PBIO 4270	MOLECULAR GENETICS	EXPEDITED	2.0	REVIEW	UCC
PBIO 4280	Genomics Laboratory	SEMESTER	1.0	REVIEW	UCC
PBIO 4380	SOILS AND ECOSYSTEMS	COMPOSITE	2.0	REVIEW	UCC
PBIO 4420	EXPER ANAT PLANT DEVELOP	EXPEDITED	2.0	REVIEW	UCC
PBIO 4850	PLANT BIOLOGY CAPSTONE	EXPEDITED	2.0	REVIEW	UCC
T305 4091	ISLAND AND ENVIRONMENT	EXPEDITED	5.0	REVIEW	UCC
T305 4950	BIOL & GEOG FOOD PLANTS	EXPEDITED	1.0	REVIEW	UCC