

Fiscal Unit/Academic Org	Horticulture & Crop Science - D1127
Administering College/Academic Group	Food, Agric & Environ Science
Co-administering College/Academic Group	
Semester Conversion Designation	Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)
Current Program/Plan Name	Crop Science Minor
Proposed Program/Plan Name	Agronomy Minor
Program/Plan Code Abbreviation	CROPSCI-MN
Current Degree Title	

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		20	13.3	13	0.3
Required credit hours offered by the unit	Minimum	20	13.3	13	0.3
	Maximum	25	16.7	15	1.7
Required credit hours offered outside of the unit	Minimum	0	0.0	0	0.0
	Maximum	12	8.0	9	1.0
Required prerequisite credit hours not included above	Minimum	0	0.0	0	0.0
	Maximum	0	0.0	0	0.0

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

- Program Learning Goals**
- Students will be able to make decisions for growing crops based on a basic understanding of plant growth and crop production methods.
 - Students will be able to predict crop responses to specific production regimes and environmental influences.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- DepthHCSSupportLetter.jpg
(Letter from Program-offering Unit. Owner: McMahan, Margaret Jane)
- CropSciMinor.pdf: Under quarters the agronomy minor was Crop Sci.
(Quarter Advising Sheet(s). Owner: McMahan, Margaret Jane)
- AgronomyMINOR.doc
(List of Semester Courses. Owner: McMahan, Margaret Jane)
- H&CSTransition Policy-Minors.docx
(Transition Policy. Owner: McMahan, Margaret Jane)

Comments

- CCI Sciences Subcommittee: Unanimously approved w/ request for small change(s). Feedback will come in e-mail from Jim Fredal (chair CCI Sciences Subcommittee). *(by Vankeerbergen, Bernadette Chantal on 03/08/2011 11:52 AM)*
- We would like to have the abbreviated name changed to AGRON. Agronomy is a term similar in meaning to Crop Science but better understood in the farming community. Other than the name, there is very little different from the previous minor. *(by McMahan, Margaret Jane on 12/06/2010 03:17 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	McMahon, Margaret Jane	10/06/2010 02:54 PM	Submitted for Approval
Approved	McMahon, Margaret Jane	10/06/2010 02:58 PM	Unit Approval
Revision Requested	Pfister, Jill Ann	11/24/2010 02:21 PM	College Approval
Submitted	McMahon, Margaret Jane	12/07/2010 09:26 AM	Submitted for Approval
Revision Requested	Pfister, Jill Ann	12/17/2010 05:16 PM	Unit Approval
Submitted	McMahon, Margaret Jane	12/17/2010 06:42 PM	Submitted for Approval
Approved	McMahon, Margaret Jane	12/20/2010 10:30 AM	Unit Approval
Approved	Stokoe, Laurie Anne	01/14/2011 04:10 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	02/15/2011 02:28 PM	ASCCAO Approval
Submitted	McMahon, Margaret Jane	03/03/2011 08:59 AM	Submitted for Approval
Approved	McMahon, Margaret Jane	03/03/2011 12:41 PM	Unit Approval
Approved	Pfister, Jill Ann	03/03/2011 01:23 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	03/08/2011 11:52 AM	ASCCAO Approval
Submitted	McMahon, Margaret Jane	04/12/2011 01:51 PM	Submitted for Approval
Approved	Pfister, Jill Ann	05/05/2011 08:22 AM	Unit Approval
Approved	Pfister, Jill Ann	05/05/2011 08:24 AM	College Approval
Pending Approval	Nolen, Dawn Jenkins, Mary Ellen Bigler Meyers, Catherine Anne Vankeerbergen, Bernadette Chantal Hanlin, Deborah Kay	05/05/2011 08:24 AM	ASCCAO Approval

November 16, 2010

The Department of Horticulture and Crop Science is submitting and supports the following semester programs:

Phone (614) 292-2001
Fax (614) 292-7162 Ext. (Kottman)
Fax (614) 292-3505
(Howlett)
hcs.osu.edu

Revised major:

Professional Golf Management

New major (replaces the current Crop Science, Landscape Horticulture, and Turfgrass Science majors):

Sustainable Plant Systems with 4 specializations: Agronomy, Horticulture, Landscape Design and Management, and Turfgrass Science.

Revised graduate programs:

Horticulture and Crop Science MS

Horticulture and Crop Science PH

Revised minors:

Agronomy (formerly Crop Science)

Horticulture

Landscape Design and Management (formerly Landscape Horticulture)

Turfgrass Science

The programs are the result of an extensive review of our current curriculum that began in early 2009. The review included input from our industry stakeholders and partners, graduate and undergraduate students, all departmental faculty and staff, other OSU departments, as well as with faculty at benchmark programs at other institutions. The results of the collected data were discussed at a day-long faculty and staff retreat in December 2009.

As a result of that retreat and subsequent weekly meetings of faculty, staff, and students from January through early September 2010, the following has occurred. A set of learning outcomes were developed for both the graduate and undergraduate programs. Courses were created, revised, or dropped as the curriculum was developed to meet those goals at the appropriate level. Currently a plan is being developed to make sure that the outcomes, courses, and curriculum continue to provide the best education possible for our students.

The faculty voted unanimously to approve the undergraduate majors and minors (25 for, 0 against). The faculty vote for approval of the graduate programs will be taken at the December faculty meeting.

Respectfully,



William Randle

Professor and Chair

Department of Horticulture and Crop Science

(New abbreviations requested for: Landscape Design and Management Minor = LNDESMG-MN
Agronomy Minor = AGRON-MN)

AGRONOMY MINOR

College of Food, Agricultural,
and Environmental Sciences
The Ohio State University

Kent Harrison, Coordinating Adviser
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2021 Coffey Road
292-5056
harrison.9@osu.edu

An Agronomy minor is useful for students in Agriculture and Biological Sciences who plan to seek employment in areas of agronomic crop production, marketing, management, etc., where decision making requires a basic understanding of plant growth and crop production. Students taking this minor will gain insights into the environmental, genetic, and cultural factors that influence crop productivity. Such insights will enable the student to anticipate crop response under specific production regimes and environmental influences.

An Agronomy minor consists of 13-15 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

Required: 4 hours (choose one of the courses below)

Credit Hours

HCS 2201	Ecology of Managed Plant Systems	4
<u>or</u>		
HCS 2202	Form and Function in Cultivated Plants	4

Required Electives: 9-11 hours

HCS 2201	Ecology of Managed Plant Systems (<i>if not taken above</i>)	4
HCS 2202	Form and Function in Cultivated Plants (<i>if not taken above</i>)	4
HCS 3380	Latino Workforce in Land-Based Industries	2
HCS 3420	Seed Science	3
HCS 4325	Plant Genetics	3
HCS 4411	Grain, Oilseed, and Fiber Crops	3
HCS 5412	Forages, Grasslands, and Prairies	3
HCS 5422	Principles of Weed Ecology and Management	3
HCS 5602	Ecology of Agriculture	3
HCS 5621	Crop Physiology	3
HCS 5630	Seed Production	2
HCS 5730	Seed Ecology and Physiology	2
HCS 3797.04 (temp. #)	Agricul. & Agro-Ecosys. Chile	3
HCS 3797.05 (temp. #)	Latinos In Land-based Industries	3
ENR 3000.01	Soil Science	3
ENR 4260	Soil Management	3
ENR 5270	Soil Fertility and Fertilizers	3

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems, Crop Science, Horticulture, Landscape Horticulture or Turfgrass Science.
2. A minimum overall GPA for courses comprising the minor shall be 2.00
3. A minor should be declared at the time a student accumulates 60 hours.
4. A maximum of one course may overlap between the minor and the GE (Writing and Communication, Foreign Language, Literature, Visual and Performing Arts, Culture and Ideas, Historical Study, Quantitative Reasoning, Data Analysis, Natural Science, Social Science, Cross-Disciplinary Seminar, Service-Learning, Education Abroad).
5. Courses taken on a pass/non pass basis may not be applied to the minor.

CROP SCIENCE MINOR (108)

College of Food, Agricultural,
and Environmental Sciences
The Ohio State University

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2021 Coffey Road
292-5056
harrison.9@osu.edu

A Crop Science minor is useful for students in Agriculture and Biological Sciences who plan to seek employment in areas of agricultural production, marketing, management, etc., where decision making requires a basic understanding of plant growth and crop production. Students taking this minor will gain insights into the environmental, genetic, and cultural factors that influence crop productivity. Such insights will enable the student to anticipate crop response under specific production regimes.

A Crop Science minor consists of 20-25 hours selected as follows:

Required: 5 hours		Credit Hours
H&CS 200	Crop Science	5
Required Electives: 15-20 hours		
H&CS 310	Control of Crop Development	4
H&CS 325	Crop Genetic Resources	4
H&CS 411	Grain Crops	3
H&CS 412	Forage Crops	3
H&CS 414	Crop Sciences Laboratory	2
H&CS 420	Seed Science	4
H&CS 422	Principles of Weed Science	4
H&CS 488	Professional Development in Horticulture & Crop Science	1-3
H&CS 450	Principles of Vegetables Crop Production	5
H&CS 460	Fruit Crop Physiology	5
H&CS 510	Crop Production in Developing Countries	5
H&CS 521	Greenhouse Environmental Control	5
H&CS 522	Commercial Production of Floriculture Crops	5
H&CS 593	Individual Studies	5
H&CS 602-636	Excluding 610	3-5

Restrictions and General Information

1. This minor is not available to students majoring in Agronomy, Crop Science, Horticulture or Landscape Horticulture.
2. A minimum overall CPHR for courses comprising the minor shall be 2.0.
3. A minor should be declared at the time a student accumulates 90 hours.
4. A maximum of five credit hours may overlap between the minor and the GEC (foundations, natural sciences, arts and humanities and social sciences).
5. Courses taken on a pass/non pass basis may not be applied to the minor.

Horticulture and Crop Science Transition Policy for Minors

The university Pledge to Undergraduate Students will be followed by the minor coordinators in Horticulture and Crop Science. Minor coordinators will encourage transition students in the minors to be proactive in getting help with scheduling courses in the minor before and after the conversion to make sure progress toward graduation is not impeded as long as the students follow a course of action that promotes progress.

Minor courses that are a one for one switch from quarter to semester versions should be relatively easy to incorporate into a student's program. For quarter courses that are dropped or significantly altered, or semester versions that will not be available before the student's projected graduation date, suitable semester alternatives will be substituted. The substitutions will be based on course content and meeting the knowledge and skill needs of the student's and time to graduation.

Minor coordinators will be kept up-to-date with advising policies, resources, and tips via the HCS Q2S Carmen website and other communication formats.

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