

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	Horticulture Minor
Proposed Program/Plan Name	Horticulture Minor
Program/Plan Code Abbreviation	HORT-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	0	0.0	0	0.0
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

- Ability to make decisions that require a basic understanding of plant growth and development.
- Ability to use fundamental techniques to successfully grow fruit, vegetable, and ornamental plants.
- Ability to use understanding of plant growth to predict and/or control plant growth and development under specific production regimes or environmental conditions.

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

- HortMinor.pdf
(Quarter Advising Sheet(s). Owner: McMahon, Margaret Jane)
- H&CSTransition Policy-Minors.docx
(Transition Policy. Owner: McMahon, Margaret Jane)
- DeptHCSSupportLetter.jpg
(Letter from Program-offering Unit. Owner: McMahon, Margaret Jane)
- HorticultureMINOR.doc
(List of Semester Courses. Owner: McMahon, Margaret Jane)

Comments

- Feedback will come via e-mail from Jim Fredal, chair of CCI Sciences Subcommittee. *by Vankeerbergen, Bernadette Chantal on 02/01/2011 11:12 AM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	McMahon, Margaret Jane	10/06/2010 02:55 PM	Submitted for Approval
Approved	McMahon, Margaret Jane	10/06/2010 02:59 PM	Unit Approval
Revision Requested	Pfister, Jill Ann	11/24/2010 02:22 PM	College Approval
Submitted	McMahon, Margaret Jane	12/07/2010 09:27 AM	Submitted for Approval
Approved	McMahon, Margaret Jane	12/20/2010 10:45 AM	Unit Approval
Approved	Stokoe, Laurie Anne	01/14/2011 04:10 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	02/01/2011 11:25 AM	ASCCAO Approval
Submitted	McMahon, Margaret Jane	03/03/2011 09:00 AM	Submitted for Approval
Approved	McMahon, Margaret Jane	03/03/2011 12:42 PM	Unit Approval
Approved	Pfister, Jill Ann	03/03/2011 01:24 PM	College Approval
Pending Approval	Nolen, Dawn Jenkins, Mary Ellen Bigler Meyers, Catherine Anne Vankeerbergen, Bernadette Chantal Hanlin, Deborah Kay	03/03/2011 01:24 PM	ASCCAO Approval

November 16, 2010

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

Phone (614) 292-2001
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(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)

HORTICULTURE MINOR

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

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A Horticulture minor is useful for students with an interest in gardening or who plan to seek employment in areas of fruit, vegetable, and ornamental crop production, marketing, management, etc., where decision making requires a basic understanding of plant growth and development as well as fundamental techniques for growing plants. Students taking this minor will gain insights into the environmental, genetic, and cultural factors that influence plant productivity. Such insights will enable the student to anticipate plant response under specific production regimes or environmental conditions.

A Horticulture 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

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

Required Electives: 9-11 hours

HCS 2201	Ecology of Managed Plant Systems (if not taken above)	4
HCS 2202	Form and Function in Cultivated Plants (“ ”)	4
HCS 2305	Organic Gardening	1
HCS 2306	Sustainable Vegetable Practicum	3
HCS 2340	Landscape Plants I	3
HCS 2410	Understanding Constructed Landscapes	3
HCS 3320	Plant Propagation	3
HCS 3521	Basic Greenhouse Production	2
HCS 3322	Sustainable Irrigation & Fertigation Practices	2
HCS 3334	Sustainable Landscape Maintenance Practices	2
HCS 3380	Latino Workforce in Land-Based Industries	2
HCS 3401.01	Floriculture Industry	1
HCS 3401.02	Environmental Horticulture Organizations	1
HCS 3420	Seed Science	3
HCS 3470	Principles of Turfgrass Selection and Management	3
HCS 4189	Professional Development	1
HCS 4560	Creating a Virtual Perspective	3
HCS 5422	Principles of Weed Ecology and Management	3
HCS 5450	Vegetable Production	3
HCS 5460	Fruit Crop Physiology and Production	3
HCS 5521	Sustainable Greenhouse Production	3
HCS 5533	Nursery Management	3
HCS 3797.04 (temp. #)	Agriculture & Agro-Ecosystems of Chile	3
HCS 3797.05 (temp. #)	Latinos In Land-based Industries	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.

HORTICULTURE MINOR (225)

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

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The minor in Horticulture is designed for individuals who wish to develop an understanding about plants and their applications to contemporary life. Persons interested in basic science, entrepreneurship, or the arts can construct a coherent program of study which will enhance both their educational and career goals.

The Horticulture minor consists of 20-25 credit hours selected as follows:

		Credit Hours
Required: Select two courses from the following:		9-10
H&CS 200	Crop Science	5
H&CS/PLNT BIO 300	General Plant Biology	5
H&CS 310	Control of Crop Development	4

Required Electives: 10-16 hours

H&CS 234	Landscape Plants	5
H&CS 320	Plant Propagation: Manipulation of Plant Reproduction	4
H&CS 325	Crop Genetic Resources	4
H&CS 401.01	The Floriculture Industry	1-3
H&CS 401.02	Environmental Horticulture Organization of Ohio	1-3
H&CS 430	Indoor Plants	3
H&CS 431	Herbaceous Ornamental Plants	5
H&CS 435	Deciduous Shade Trees and Narrowleaf Evergreens	6
H&CS 436	Deciduous Flowering Trees and Shrubs, Vines, and Broadleaf Evergreens	6
H&CS 438	Theme & Specialty Gardens	2
H&CS 450	Principles of Vegetable Production	5
H&CS 460	Fruit Crop Physiology	5
H&CS 488	Professional Development in Horticulture & Crop Science	1-3
H&CS 521	Greenhouse Crop Production	5
H&CS 533	Management of Commercial Nursery Operations	5
H&CS 560	Computers of Horticultural Management	4
H&CS 593	Individual Studies	1-5
H&CS 605	Advanced Vegetable Crops Production and Physiology	5
H&CS 609	Post Harvest Principles and Practices	4
H&CS 610	Weed Control in Horticultural Crops	4
H&CS 697	Study at a Foreign Institution	1-15

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

The university Pledge to Undergraduate Students will be followed by the faculty advisors in Horticulture and Crop Science. Advisors will encourage their advisees to be proactive in getting help with scheduling courses 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. That course of action includes but is not limited to: a timely declaration of major and minor, taking courses in proper sequence, taking and successfully completing a sufficient number of hours each term, maintaining GPA's in the major, minor, and overall above 2.00, etc.

Beginning in summer, 2010, transition students (those who start under quarters and will finish under semesters) will be receiving information regarding the semester conversion via bulletin boards in Howlett and Kottman Halls, the department website (hcs.osu.edu), and other communication methods. This is intended to keep them informed of the process, the progress being made in graduate and undergraduate programs and course approval, as well as what they should be doing to make the transition as seamless as possible.

Undergraduate students will have the option to remain in their current majors but with the required number of credit hours for graduation reduced from 183 to 121 and credits for courses taken under quarters adjusted accordingly. 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 needs of the student's career path and time to graduation.

The other option for undergraduates is to switch to the semester majors and have quarter courses and credits evaluated for "transfer" into the new curriculum. The process will be similar to that for students remaining in the old majors.

It is assumed that undergraduates who start before Au 2011 would likely remain in the old majors but students who start Au 2011 through Sp 2012 might prefer to switch to the new majors.

In general, transition students will be encouraged to complete the quarter system GEC categories that have no or few options (e.g. most sciences, social science) before the conversion. They are also being encouraged to take required courses in the major for the same reason. We feel that the categories with the most options (some semester GE categories and electives in the major) will provide the most flexibility in course choice and scheduling under semesters. Students who are thinking of switching to the new Sustainable Plant Systems major will be advised to take Biology 113 or its semester equivalent because that is the biological science required for the SPS major.

Graduate students will be advised in a similar manner regarding progress toward degree completion. Transition students in HCS minors will be advised by the minor coordinators on the appropriate courses to take. Course substitutions will be made that make sense academically and keep the students on track to graduate.

Faculty and others who advise students will be kept up-to-date with advising policies, resources, and tips via the HCS Q2S Carmen website and other communication formats.