

<b>Fiscal Unit/Academic Org</b>	Horticulture & Crop Science - D1127
<b>Administering College/Academic Group</b>	Food, Agric & Environ Science
<b>Co-administering College/Academic Group</b>	
<b>Semester Conversion Designation</b>	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)
<b>Current Program/Plan Name</b>	Turfgrass Management Minor
<b>Proposed Program/Plan Name</b>	Turfgrass Management Minor
<b>Program/Plan Code Abbreviation</b>	TRFGMGT-MN
<b>Current Degree Title</b>	

## 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	24	16.0	15	1.0
Required credit hours offered outside of the unit	Minimum	0	0.0	0	0.0
	Maximum	13	8.7	9	0.3
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**      • Acquire the knowledge to oversee the management of grounds.

## 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**

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

**Comments**

- Feedback will come via e-mail from Jim Fredal, chair of CCI Sciences Subcommittee. *bv (by Vankeerbergen, Bernadette Chantal on 02/01/2011 11:24 AM)*

**Workflow Information**

Status	User(s)	Date/Time	Step
Submitted	McMahon, Margaret Jane	10/06/2010 02:57 PM	Submitted for Approval
Approved	McMahon, Margaret Jane	10/06/2010 03:02 PM	Unit Approval
Revision Requested	Stokoe, Laurie Anne	11/29/2010 03:23 PM	College Approval
Submitted	McMahon, Margaret Jane	12/07/2010 09:37 AM	Submitted for Approval
Approved	McMahon, Margaret Jane	12/20/2010 10:48 AM	Unit Approval
Approved	Stokoe, Laurie Anne	01/14/2011 04:10 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	02/01/2011 11:24 AM	ASCCAO Approval
Submitted	McMahon, Margaret Jane	03/03/2011 09:02 AM	Submitted for Approval
Revision Requested	Pfister, Jill Ann	03/03/2011 09:16 AM	Unit Approval
Submitted	McMahon, Margaret Jane	03/03/2011 10:43 AM	Submitted for Approval
Approved	McMahon, Margaret Jane	03/03/2011 12:40 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  
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)

## TURFGRASS MANAGEMENT MINOR

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

Karl Danneberger, Coordinator  
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The minor in Turfgrass Management is for students who expect to have positions that require overseeing the management of grounds (for example airports, factories, roadsides, schools, lawns, and recreational areas).

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

### Required: 7 hours

### Credit Hours

HCS 2201	Ecology of Managed Plant Systems	4
HCS 3470	Principles of Turfgrass Management	3

### Required Electives: 6-8 hours

HCS 2270	Historical Perspectives on Golf Course Dsgn Mgmt	2
HCS 2340	Landscape Plants I	3
HCS 3370	Sports Turf Management	3
HCS 4488	Professional Development in Hort and Crop Science	1
HCS 4560	Creating a Virtual Perspective	3
HCS 4570	Turfgrass Management and Science	3
HCS 5422	Principles of Weed Ecology and Management	3
HCS 5670	Golf Courses and Their Environments	3
HCS 5890	Turfgrass Seminar	1
HCS 4193	Independent Study	1-3
PLNTPATH 5130	Turfgrass Diseases and Integrated Turf Health Management	2
ENR 5260	Urban and Sports Turf Soils	3
ENR 5270	Soil Fertility and Fertilizers	3
ENTMLGY 4600	Intro to Insect Science	1
ENTMLGY 4601 or 4602	General Insect Pest Management or Landscape Entomology	2

### Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems, Crop Science, Landscape Horticulture or Turfgrass Science
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 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.

## TURFGRASS MANAGEMENT MINOR (418)

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

**Karl Danneberger, Coordinating Adviser  
334C Howlett Hall  
2021 Coffey Road  
292-8491  
danneberger.1@osu.edu**

The minor in Turfgrass Management is for students who expect to have positions that require overseeing the management of grounds (for example airports, factories, roadsides, schools, lawns, and recreational areas.)

The Turfgrass Management minor consists of 20-24 hours selected as follows:

**Required: 10 credits** **Credit Hours**

H&CS 200	The Science of Growing Plants	5
H&CS 470	Principles of Turfgrass Selection and Maintenance	4
H&CS 598	Turfgrass Seminar	1

**Required Electives: 10-15 credits**

ENR 300.01	Soil Science	3
ENR 540	Urban and Sports Turf Soils	3
ENTOMOLOGY 462	Economic Entomology for Turf, Ornamentals & Greenhouses	4
H&CS 234.01	Landscape Plants Lecture	3
H&CS 234.02	Landscape Plants Lab	2
H&CS 270	Historical Perspectives On Golf Course Design and Management	3
H&CS 310	Control of Crop Development	4
H&CS 370	Sports Turf Management	3
H&CS 412	Forage Crops	3
H&CS 422	Weed Science	4
H&CS 488	Professional Development in Horticulture & Crop Science	1-3
H&CS 570	Turfgrass Management and Science	4
H&CS 670	Golf Courses and Their Environments	3
H&CS 593	Individual Studies	1-5
PLNT PATH 612	Turfgrass Diseases	3

**Restrictions and General Information**

1. This minor is not available to students majoring in Agronomy, Crop Science, Horticulture, Landscape Horticulture, Professional Golf Management, or Turfgrass Science.
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](http://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.