

From: [Osborne, Jeanne](#)
To: [Smith, Randy](#)
Cc: [Reed, Katie](#); [Violet, Cynthia A.](#); [Meadows, Kendyl](#); [Barker, David](#); [Lindsey, Alexander J.](#)
Subject: Requesting CAA Approval for revision to the Horticulture, Agronomy, Controlled Environment Agriculture, and Turfgrass Science Minors
Date: Monday, January 22, 2024 9:38:57 AM
Attachments: [image001.png](#)

Dear Dr. Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for a revision to the Undergraduate Horticulture, Agronomy, Controlled Environment Agriculture, and Turfgrass Science Minors in the Department of Horticulture and Crop Science, as summarized below and outlined in the attached proposal.

The primary component of the proposal is to update a required course in all minors – HCS 2201, Ecology of Managed Plant Systems (4 cr) was replaced with two courses: HCS 2204, Ecology of Managed Plant Systems (3 cr; GEN Sustainability Theme) and 2205, Ecology of Managed Plant Systems – Laboratory (1 cr) as part of the implementation of the GEN; HCS 2201 will no longer be offered. In addition, an option for including a research experience (HCS 4998) to meet elective credits has been added, and credit hours of professional development (HCS 3448.01) were reduced to 1 cr (from up to 3 cr) to encourage breadth in the courses used to complete the elective credit hours in the minors.

For the Horticulture minor, additional proposed changes include removing a course in the elective options that is not offered (HCS 3522, Sustainable Irrigation and Fertigation Practices) and adding two options for courses that have been reactivated from limbo – HCS 3410, Sustainable Landscape Maintenance Practices and HCS 2401, Sustainable Landscape Design I.

The overall impact is to update the required course list and provide students with additional elective course options. There will not be an impact on currently enrolled students in these minors as the proposed course updates reflect current offerings and provide additional choices for electives.

This proposal has been approved by the Academic Affairs Committee of the Department of Horticulture and Crop Science, and by the CFAES Committee on Academic Affairs. Please let me know if any additional information is needed in support of this request.

Sincerely,

Jeanne



Jeanne M. Osborne | Pronouns: She, Her, Hers

Assistant Dean for Academic Affairs

College of Food, Agricultural, and Environmental Sciences

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'Unexpected kindness is the most powerful, least costly, and most underrated agent of human change' (Bob Kerrey)



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January 1, 2024

Dear CFAES Academic Affairs Committee,

The Department of Horticulture and Crop Science has worked to revise the Horticulture, Agronomy, Controlled Environment Agriculture, and Turfgrass Science minors to include a broader list of opportunities for electives. The changes will be effective Autumn 2024.

Update Required Course

In Autumn 2022, a required course for all minors, HCS 2201 Ecology of Managed Plant Systems, was replaced with two courses: HCS 2204 & 2205. Taken together, these courses are equivalent to 2201. The department will no longer be offering HCS 2201.

Professional Development/Independent Study

For all minors, we are proposing changes to the professional development/independent study structure currently listed. We believe that self-directed learning may be appropriate for students enrolled in these minor programs, and that participation in research (instead of just independent study) would also be an acceptable activity for students in these paths. As such, the elective HCS 4193 has been broadened to consist of HCS 4193 or HCS 4998, and has been reduced to 1-2 hours. Additionally, pursuit of up to 3 credits in professional development for students in the minor was reduced to up to 1 credit to encourage students to pursue a broader suite of courses. Each 3488.01 course currently taught in HCS is only offered for 1 credit, so this is consistent with current offerings open to students.

Horticulture Minor Elective Courses

The Horticulture Minor will remove HCS 3522 – Sustainable Irrigation and Fertigation Practices

The Horticulture minor will include two courses that were recently removed from the “in limbo” list as new faculty capacity enabled them to be taught again.

- HCS 3410 – Sustainable Landscape Maintenance Practices
- HCS 2401 – Sustainable Landscape Design I

Thank you,

Dr. Alex Lindsey

Chair, HCS Academic Affairs Committee



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Agronomy Minor

Food, Agricultural, and Environmental Sciences
Effective Autumn 2019
3/6/19

Dr. Alex Lindsey, Coordinator

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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.

Prerequisite Course for the minor

BIO 1101, 1101E, 1113, 1113E, or 1113H

Credit Hours

4

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

Required Courses

Credit Hours

HCS 2201	Ecology of Managed Plant Systems	4
or HCS 2202	Form and Function of Cultivated Plants	
HCS 3100	Introduction to Agronomy	3
HCS 5411	Domestication & Utilization of Agronomic Crops	3

Electives

Take three credit hours from the following list:

HCS 3420	Seed Science	3
HCS 3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS 5100	Advanced Cropping Systems	3
HCS 5412	Agroecology of Grasslands and Prairies	3
HCS 5422	Biology and Management of Weeds and Invasive Plants	3

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems.
2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.



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.

Prerequisite Course for the minor

BIOLOGY 1101, 1101E, 1113, 1113E, or 1113H

Credit Hours

4

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

Required Courses

**HCS 2204 & 2205
(or 2201)**

Ecology of Managed Plant Systems & Laboratory

4

or HCS 2202

Form and Function of Cultivated Plants

HCS 3100

Introduction to Agronomy

3

HCS 5411

Domestication & Utilization of Agronomic Crops

3

Electives

Take three credit hours from the following list:

HCS 3420

Seed Science

3

HCS 3488.01

Professional Development in Horticulture and Crop Science

1-3

HCS 4193 or 4998

Individual Studies or Undergraduate Research

1-2

HCS 5100

Advanced Cropping Systems

3

HCS 5412

Agroecology of Grasslands and Prairies

3

HCS 5422

Biology and Management of Weeds and Invasive Plants

3

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems.
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3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.



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.

Prerequisite Course for the minor

BIOLOGY 1101, 1101E, 1113, 1113E, or 1113H

Credit Hours

4

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

Required Courses

HCS 2204 & 2205 Ecology of Managed Plant Systems & Laboratory
(or 2201)

4

or HCS 2202 Form and Function of Cultivated Plants

HCS 3100 Introduction to Agronomy

3

HCS 5411 Domestication & Utilization of Agronomic Crops

3

Electives

Take three credit hours from the following list:

HCS 3420 Seed Science 3

HCS 3488.01 Professional Development in Horticulture and Crop Science 1

HCS 4193 or 4998 Individual Studies or Undergraduate Research 1-2

HCS 5100 Advanced Cropping Systems 3

HCS 5412 Agroecology of Grasslands and Prairies 3

HCS 5422 Biology and Management of Weeds and Invasive Plants 3

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems.
2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

A minor in Controlled Environment Agriculture (CEA) is useful for students in Agriculture and Biological Sciences who plan to seek employment in areas of horticulture and floriculture production, marketing, management, etc., where decision making requires an understanding of plant crop production in controlled environments. Students taking this minor will gain insights into the environmental and cultural factors that influence crop productivity. Such insights will enable the student to anticipate crop response under CEA production regimes.

Prerequisite Courses for the minor

BIOLOGY 1101, 1101E, 1113, 1113E, or 1113H

Credit Hours

4

A CEA minor consists of 13 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

Required Courses

Credit Hours

HCS 2202	Form and Function of Cultivated Plants	4
HCS 3310	Crop Responses to the Environment	3
HCS 3521	Greenhouse Systems and Management	2
or		
HCS 4300	Hydroponic Crop Production	

Electives

Take four credit hours from the following list:

HCS 3320	Plant Propagation	3
HCS 3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS 3521	Greenhouse Systems and Management (<i>if not selected above</i>)	2
HCS 4193	Individual Studies	1-3
HCS 4300	Hydroponic Crop Production (<i>if not selected above</i>)	2
HCS 4301	Hydroponic Crop Production Lab	1
HCS 4520	Medicinal Plants	2
HCS 5325	Plant Genetics	3

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems.
2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e., if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

A minor in Controlled Environment Agriculture (CEA) is useful for students in Agriculture and Biological Sciences who plan to seek employment in areas of horticulture and floriculture production, marketing, management, etc., where decision making requires an understanding of plant crop production in controlled environments. Students taking this minor will gain insights into the environmental and cultural factors that influence crop productivity. Such insights will enable the student to anticipate crop response under CEA production regimes.

Prerequisite Courses for the minor

Credit Hours

BIOLOGY 1101, 1101E, 1113, 1113E, or 1113H

4

A CEA minor consists of 13 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

Required Courses

Credit Hours

HCS 2202 Form and Function of Cultivated Plants

4

HCS 3310 Crop Responses to the Environment

3

HCS 3521 Greenhouse Systems and Management

2

or

HCS 4300 Hydroponic Crop Production

Electives

Take four credit hours from the following list:

HCS 3320 Plant Propagation

3

HCS 3488.01 Professional Development in Horticulture and Crop Science

1-3

HCS 3521 Greenhouse Systems and Management (*if not selected above*)

2

HCS 4193 Individual Studies **or Undergraduate Research**

1-2

or 4998

HCS 4300 Hydroponic Crop Production (*if not selected above*)

2

HCS 4301 Hydroponic Crop Production Lab

1

HCS 4520 Medicinal Plants

2

HCS 5325 Plant Genetics

3

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1. This minor is not available to students majoring in Sustainable Plant Systems.
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3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e., if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
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7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

A minor in Controlled Environment Agriculture (CEA) is useful for students in Agriculture and Biological Sciences who plan to seek employment in areas of horticulture and floriculture production, marketing, management, etc., where decision making requires an understanding of plant crop production in controlled environments. Students taking this minor will gain insights into the environmental and cultural factors that influence crop productivity. Such insights will enable the student to anticipate crop response under CEA production regimes.

Prerequisite Courses for the minor

Credit Hours

BIOLOGY 1101, 1101E, 1113, 1113E, or 1113H

4

A CEA minor consists of 13 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

Required Courses

Credit Hours

HCS 2202 Form and Function of Cultivated Plants

4

HCS 3310 Crop Responses to the Environment

3

HCS 3521 Greenhouse Systems and Management

2

or

HCS 4300 Hydroponic Crop Production

Electives

Take four credit hours from the following list:

HCS 3320 Plant Propagation

3

HCS 3488.01 Professional Development in Horticulture and Crop Science

1

HCS 3521 Greenhouse Systems and Management (*if not selected above*)

2

HCS 4193 Individual Studies or Undergraduate Research

1-2

or 4998

HCS 4300 Hydroponic Crop Production (*if not selected above*)

2

HCS 4301 Hydroponic Crop Production Lab

1

HCS 4520 Medicinal Plants

2

HCS 5325 Plant Genetics

3

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems.
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8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.



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 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

<u>Required:</u>			<u>Credit Hours</u>
HCS	2201	Ecology of Managed Plant Systems	
	or		4
HCS	2202	Form and Function in Cultivated Plants	
HCS	3200	Introduction to Horticulture	3
<u>Electives:</u>			
Take at least 6 credit hours from the following list:			
HCS	2300	Introduction to Hydroponics	1
HCS	2305	Organic Gardening	1
HCS	2306	Sustainable Vegetable Practicum	3
HCS	3220	Crop Origins and Diversity	2
HCS	3320	Plant Propagation	3
HCS	3380	Latino Workforce in Land Based Industries	2
HCS	3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS	3521	Greenhouse Systems and Management	2
HCS	3522*1	Sustainable Irrigation & Fertigation Practices	2
HCS	5422*2	Biology and Management of Weeds and Invasive Plants	3
HCS	5450*3	Vegetable Crop Production and Physiology	3
HCS	5460*4	Fruit Crop Physiology and Production	3

*1 Requires HCS 2201 or 2002 and Math 1130 or 1148 as prerequisites.

*2 Requires HCS 3200 and BIO 1101, 1101E, 1113, 1113E, 1113H as prerequisites.

*3 Requires HCS 2201 or 2202 and CHEM 1110 or 1210, and BIO 1101, 1101E, 1113, 1113E, 1113H, or MOLGEN 1101 as prerequisites.

*4 Requires HCS 2201 or 2202 and BIO 1101, 1101E, 1113, 1133E, or 1113H as prerequisites.

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CHANGES



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Horticulture Minor

Food, Agricultural, and Environmental Sciences

Effective Autumn 2024

1/1/24

Dr. Wendy Klooster

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2001 Fyffe Court

614-688-2637

klooster.2@osu.edu

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 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

Required:		Credit Hours
HCS 2204 & 2205 (or 2201)	Ecology of Managed Plant Systems & Laboratory	4
or HCS 2202	Form and Function of Cultivated Plants	
HCS 3200	Introduction to Horticulture	3

Electives:

Take at least 6 credit hours from the following list:

HCS 2300	Introduction to Hydroponics	1
HCS 2305	Organic Gardening	1
HCS 2306	Sustainable Vegetable Practicum	3
HCS 2401	Sustainable Landscape Design I	3
HCS 3220	Crop Origins and Diversity	2
HCS 3320	Plant Propagation	3
HCS 3380	Latino Workforce in Land Based Industries	2
HCS 3410	Sustainable Landscape Maintenance Practices	2
HCS 3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS 3521	Greenhouse Systems and Management	2
HCS 3522*¹	Sustainable Irrigation & Fertigation Practices	2
HCS 4193 or 4998	Individual Studies or Undergraduate Research	1-2
HCS 5422* ¹	Biology and Management of Weeds and Invasive Plants	3
HCS 5450* ²	Vegetable Crop Production and Physiology	3
HCS 5460* ³	Fruit Crop Physiology and Production	3

*¹ Requires HCS 3200 and BIO 1101, 1101E, 1113, 1113E, 1113H as prerequisites.

*² Requires HCS 2201 or 2202 and CHEM 1110 or 1210, and BIO 1101, 1101E, 1113, 1113E, 1113H, or MOLGEN 1101 as prerequisites.

*³ Requires HCS 2201 or 2202 and BIO 1101, 1101E, 1113, 1113E, or 1113H as prerequisites.

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A Horticulture minor consists of 13 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

<u>Required:</u>		<u>Credit Hours</u>
HCS 2204 & 2205 (or 2201)	Ecology of Managed Plant Systems & Laboratory	4
or HCS 2202	Form and Function of Cultivated Plants	
HCS 3200	Introduction to Horticulture	3

Electives:

Take at least 6 credit hours from the following list:

HCS 2300	Introduction to Hydroponics	1
HCS 2305	Organic Gardening	1
HCS 2306	Sustainable Vegetable Practicum	3
HCS 2401	Sustainable Landscape Design I	3
HCS 3220	Crop Origins and Diversity	2
HCS 3320	Plant Propagation	3
HCS 3380	Latino Workforce in Land Based Industries	2
HCS 3410	Sustainable Landscape Maintenance Practices	2
HCS 3488.01	Professional Development in Horticulture and Crop Science	1
HCS 3521	Greenhouse Systems and Management	2
HCS 4193 or 4998	Individual Studies or Undergraduate Research	1-2
HCS 5422* ¹	Biology and Management of Weeds and Invasive Plants	3
HCS 5450* ²	Vegetable Crop Production and Physiology	3
HCS 5460* ³	Fruit Crop Physiology and Production	3

*¹ Requires HCS 3200 and BIO 1101, 1101E, 1113, 1113E, 1113H as prerequisites.

*² Requires HCS 2201 or 2202 and CHEM 1110 or 1210, and BIO 1101, 1101E, 1113, 1113E, 1113H, or MOLGEN 1101 as prerequisites.

*³ Requires HCS 2201 or 2202 and BIO 1101, 1101E, 1113, 1113E, or 1113H as prerequisites.

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2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
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8. No more than 3 credit hours of xx93 may count toward the minor.
9. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.



The minor in Turfgrass Management is for students who expect to have positions that require a) overseeing the management of grounds (for example public or private lawns, sports, or recreational areas), or b) golf courses (greens and fairways).

The Turfgrass Management minor consists of 14 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

<u>Required: 7 hours</u>			<u>Credit Hours</u>
HCS	2201	Ecology of Managed Plant Systems	4
HCS	3470	Introduction to Turfgrass Management	3
	or		
HCS	3475	Turf Management for Golf Course Managers	3
<u>Electives: 7 hours</u>			
HCS	2270	Historical Perspectives on Golf Course Design and Mgmt.	2
HCS	3370	Sports Turf Management	2
HCS	3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS	4193	Individual Studies	1-3
HCS	4570*	Turfgrass Management and Science	3
HCS	5670	Golf Courses and their Environments	2
HCS	5890	Turfgrass Seminar	1

* Requires BIO 1101, 1101E, 1113, 1113E, or 1113H as a prerequisite.

Restrictions and General Information

1. This minor is not available to students majoring in Sustainable Plant Systems.
2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. No more than 3 credit hours of xx93 may count toward the minor.
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CHANGES



THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Turfgrass Management Minor

Food, Agricultural, and Environmental Sciences

Effective Autumn 2024

1/1/24

Dr. Dave Gardner, Coordinator

240B Howlett Hall

2001 Fyffe Ct.

614-292-9002

gardner.254@osu.edu

The minor in Turfgrass Management is for students who expect to have positions that require a) overseeing the management of grounds (for example public or private lawns, sports, or recreational areas), or b) golf courses (greens and fairways).

The Turfgrass Management minor consists of 14 hours selected as follows (at least 6 credits must be taken at the 3000 level or higher):

Required: 7 hours

		<u>Credit Hours</u>
HCS 2204 & 2205 (or 2201)	Ecology of Managed Plant Systems & Laboratory	4
HCS 3470	Introduction to Turfgrass Management	3
or		
HCS 3475	Turf Management for Golf Course Managers	3

Electives: 7 hours

HCS 2270	Historical Perspectives on Golf Course Design and Mgmt.	2
HCS 3370	Sports Turf Management	2
HCS 3488.01	Professional Development in Horticulture and Crop Science	1-3
HCS 4193 or 4998	Individual Studies or Undergraduate Research	1-2
HCS 4570*	Turfgrass Management and Science	3
HCS 5670	Golf Courses and their Environments	2
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