

**From:** [Smith, Randy](#)  
**To:** [Lewandowski, Monica](#); [Osborne, Jeanne](#)  
**Cc:** [Leite, Fabio](#); [Reed, Katie](#); [Smith, Randy](#); [Duffy, Lisa](#); [Hunt, Ryan](#); [Paul, Pierce](#); [Christy, Ann](#)  
**Subject:** Proposal to revise the UG Minor in Plant Pathology  
**Date:** Sunday, February 25, 2024 9:11:07 AM  
**Attachments:** [image001.png](#)

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Jeanne and Monica:

The proposal from the Department of Plant Pathology to revise the Undergraduate Minor in Plant Pathology was approved by the Council on Academic Affairs at its meeting on February 21, 2024. Thank you for attending the meeting to respond to questions/comments.

No additional level of internal review/approval is necessary. This action will be included in the Council's next [Annual Activities Report](#) to the University Senate (July 2024).

The Office of the University Registrar will work you with any implementation issues.

Please keep a copy of this message for your file on the proposal and I will do the same for the file in the Office of Academic Affairs.

If you have any questions please contact the Chair of the Council, Professor Fábio Leite (.11), or me.

Randy



**W. Randy Smith, Ph.D.**

Vice Provost for Academic Programs

Office of Academic Affairs

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**From:** [Osborne, Jeanne](#)  
**To:** [Smith, Randy](#)  
**Cc:** [Reed, Katie](#); [Violet, Cynthia A.](#); [Meadows, Kendyl](#); [Barker, David](#); [Lewandowski, Monica](#)  
**Subject:** Requesting CAA Approval for revision to the Plant Pathology and Mycology Minors  
**Date:** Monday, January 22, 2024 9:53:28 AM  
**Attachments:** [Plant Pathology Mycology Minor Change 01 2024.pdf](#)  
[image001.png](#)  
[PLNTPTH Minor Proposal submitted 01 2024.docx](#)

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Dear Dr. Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for a revision to the Undergraduate Plant Pathology and Mycology Minors in the Department of Plant Pathology, as summarized below and outlined in the attached proposals.

**Plant Pathology Minor:** The primary component of the proposal is to provide additional course options in two categories in the minor: 'Select one of the following courses' and 'Electives'. In addition, a course that is not offered, PLNTPTH 4550, Bioterrorism: An Overview, was removed from the electives list.

**Mycology minor:** the proposed change to this minor is to add a new course, PLNTPTH 4321, Managing Biological Invasions for Forest Sustainability (3 cr, GEN Sustainability Theme) to the list of Electives. This minor change may only require sharing as an information item with the CAA; however, since both minors are being updated, it may be easiest to consider them both at the same time.

The overall impact is to provide students with additional course options in the categories that they can choose courses. 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.

These proposals have been approved by the Academic Affairs Committee of the Department of Plant Pathology, 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*

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

To: College of Food, Agricultural, and Environmental Sciences  
Jeanne Osborne, Associate Dean for Academic Programs

From: Plant Pathology Academic Affairs Committee

The Department of Plant Pathology proposes revisions to the Plant Pathology minor to update the course offerings, and to provide more course options. With faculty retirements and teaching appointment changes, some of our courses have not been offered on a regular basis, making it hard for students to complete the Plant Pathology minor. This has also contributed to a drop in enrollment of Plant Pathology minors.

In particular, we propose expanding the course list for the section, "Select one of the following (2-4 credits)," where the student can select at least "one course that deals with a particular cropping system." For that section, we propose an expanded list, where students select at least one course that "addresses plant pathology with field, crop or production system applications." The added courses are below, many of which are new or revised since the minor was last updated in 2018.

**Additions:**

- PLNTPTH 3333 Field and Woodland Fungi (2 credits)
- PLNTPTH 5005 Beneficial Plant-associated Microbiomes and Plant Pathology Research (2)
- PLNTPTH 5040 Science of Fungi: Mycology Lecture (3)
- PLNTPTH 5041 Science of Fungi: Mycology Lab (if taken with PLNTPTH 5040) (1)
- PLNTPTH 5010 Phytobacteriology (2)
- PLNTPTH 5020 Introductory Plant Virology (2)
- PLNTPTH 5030 Plant Nematology (2)
- PLNTPTH 5050 Plant Pathogenic Fungi (3)

For the list of Elective courses that can be used to bring the total to 12 credit hours, we propose:

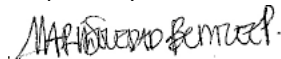
**Additions to the Minor Electives list**

- Add new course: PLNTPTH 4321 Managing Biological Invasions for Forest Sustainability (3 credits)
- Remove PLNTPTH 4550 Bioterrorism: An Overview (course was placed in limbo).

**Students currently in the Minor** – the proposed changes will not negatively impact current Plant Pathology minors, but rather, it will expand course options.

The proposed changes were approved by the Plant Pathology Academic Affairs Committee.

Respectfully submitted,



M. Soledad Benitez Ponce  
Plant Pathology Academic Affairs Committee Chair

The Minor in Plant Pathology is designed to provide essential knowledge and training for careers that involve plant health management of agronomic crops, landscape/nursery plants, turfgrass, and forest plants. The minor is specifically targeted to Turfgrass Science, Crop Science, Landscape Horticulture, Forestry, and Urban Forestry majors, although it is open to all students interested in plants, mycology, biology, microbiology, and microbiology. The Minor in Plant Pathology is also valuable for students interested in the biology of plant disease and plant-microbe interactions, such as majors in Biology, Plant Biology and Microbiology.

Students pursuing the Minor in Plant Pathology are required to take Plant Pathology 3001, 3002 – General Plant Pathology – to develop a foundational understanding of plant pathology. This class has a prerequisite of a general biology class or natural science GE course. In addition to Plant Path 3001, 3002 and Plant Path 5603 Plant Disease Management course, students must take one course that deals with diseases of a particular cropping system, such as ornamental plants and flowers (Plant Path 5120), forest and shade trees (Plant Path 5110), turfgrass (Plant Path 5130), field crops (Plant Path 5140) and fruits and vegetables (Plant Path 5150). Additional courses in plant pathology, microbiology, soil science and plant biology are available as elective coursework.

The Minor in Plant Pathology consists of 12 credit hours selected as follows.

<b>Required:</b>			<b>Credit Hours</b>
PLNTPTH	3001	General Plant Pathology Lecture	3
PLNTPTH	3002	General Plant Pathology Lab	2
PLNTPTH	5603	Plant Disease Management	3

**Select one of the following courses (2-4 credit hours):**

PLNTPTH	5110	Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments	3
PLNTPTH	5120	Diseases of Ornamental Plants	2
PLNTPTH	5130	Turfgrass Diseases and Integrated Turf Health Management	4
PLNTPTH	5140	Diseases of Field Crops	2
PLNTPTH	5150	Fruit and Vegetable Diseases	2

**Electives (Select enough hours to bring total in minor to 12 credit hours):**

ENR	5270	Soil Fertility	3
ENTMLGY	4000	General Entomology	3
MICRBIO 4000.01 or 4000.02		Basic and Practical Microbiology	4
MICRBIO 4100		General Microbiology	5
MOLGEN	3436	Introductory Plant Physiology	3
PLNTPTH	2001	Sick Plants in a Hungry World	2
PLNTPTH	4550	Bioterrorism: An Overview	3
PLNTPTH	5010	Phylobacteriology	2
PLNTPTH	5020	Virology	2
PLNTPTH	5030	Nematology	2
PLNTPTH	5040 and 5041	Science of Fungi: Mycology Lecture and Lab	4
PLNTPTH	5110	Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments (If not taken above)	3
PLNTPTH	5120	Diseases of Ornamental Plants (If not taken above)	3
PLNTPTH	5130	Turfgrass Diseases and Integrated Turf Health Management (If not taken above)	4
PLNTPTH	5140	Diseases of Field Crop (If not taken above)	2
PLNTPTH	5150	Fruit and Vegetable Diseases (If not taken above)	2
PLNTPTH	5685	Plant Disease Diagnosis	2
Study Abroad		Study at a Foreign Institution	varies

*A minimum of 12 credit hours are required for the Minor in Plant Pathology. Plant Pathology classes taken to fulfill major requirements cannot be used towards a minor. In the case that 3001 and/or 3002 are taken in a major, a student should select at least 12 credit hours from the list above, excluding 3001 and 3002.*

**TOTAL credit hours for minor in Plant Pathology**

**12**

**Restrictions and General Information**

1. This minor is not available to students majoring in Plant Pathology or Plant Health Management.
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.

The Plant Pathology Minor is designed to provide essential knowledge and training for careers that involve plant health and plant diseases important to agronomic crops, landscape/nursery plants, turfgrass, and forestry. The minor is well suited for students interested in the plant sciences, forestry, and insect pest management, although it is open to all students interested in plants, mycology, biology, and microbiology. The Plant Pathology Minor is also valuable for students interested in the biology of plant disease and plant-microbe interactions.

Students pursuing the Plant Pathology Minor are required to take PLNTPTH 3001 and 3002 – General Plant Pathology Lecture and Laboratory– to develop a foundational understanding of plant pathology. PLNTPTH 3001/3002 has a prerequisite of a general biology course. In addition to PLNTPTH 3001/3002 and PLNTPTH 5603 - Plant Disease Management, students must at least one course that addresses plant pathology with field, crop or production system applications (list below). Additional courses in plant pathology, microbiology, soil science and plant physiology are available as electives..

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PLNTPTH	5603	Plant Disease Management	3
<b>Select one of the following courses (2-4 credit hours):</b>			
PLNTPTH	3333	Field and Woodland Fungi	2
PLNTPTH	5005	Beneficial Plant-associated Microbiomes and Plant Pathology Research	2
PLNTPTH	5040 and 5041	Science of Fungi: Mycology Lecture and Lab	4
PLNTPTH	5010	Phytobacteriology	2
PLNTPTH	5020	Introductory Plant Virology	2
PLNTPTH	5030	Plant Nematology	2
PLNTPTH	5110	Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments	3
PLNTPTH	5120	Diseases of Ornamental Plants	2
PLNTPTH	5130	Turfgrass Diseases and Integrated Turf Health Management	4
PLNTPTH	5140	Diseases of Field Crops	2
PLNTPTH	5150	Fruit and Vegetable Diseases	2
<b>Electives (Select enough hours to bring total in minor to 12 credit hours):</b>			
ENR	5270	Soil Fertility	3
ENTMLGY	4000	General Entomology Lecture	3
MICRBIO 4000.01 or 4000.02		Basic and Practical Microbiology	4
MICRBIO 4100		General Microbiology	5
MOLGEN	3436	Introductory Plant Physiology	3
PLNTPTH	2001	Sick Plants in a Hungry World	2
PLNTPTH	4321	Managing Biological Invasions for Forest Sustainability	3
PLNTPTH	5010	Phytobacteriology ( <i>If not taken above</i> )	2
PLNTPTH	5020	Virology ( <i>If not taken above</i> )	2
PLNTPTH	5030	Nematology ( <i>If not taken above</i> )	2
PLNTPTH	5040 and 5041	Science of Fungi: Mycology Lecture and Lab ( <i>If not taken above</i> )	4
PLNTPTH	5050	Plant Pathogenic Fungi and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments ( <i>If not taken above</i> )	3
PLNTPTH	5120	Diseases of Ornamental Plants ( <i>If not taken above</i> )	3
PLNTPTH	5130	Turfgrass Diseases and Integrated Turf Health Management ( <i>If not taken above</i> )	4
PLNTPTH	5140	Diseases of Field Crop ( <i>If not taken above</i> )	2
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PLNTPTH	5685	Plant Disease Diagnosis	2
Study Abroad		Study at a Foreign Institution	varies

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