APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

NOTE: This form is a cover sheet that must accompany the degree program change proposal. The actual proposal should be prepared in accordance with format requirements provided in the *Guide and Format for Curriculum Proposals* published by the UCCC. Both cover sheet and proposal should be submitted, along with all required copies, to UCCC, Mail Stop 9699 (244 Magruder Street, 2nd Floor), Phone: 325-0831.

College: Agriculture & Life Sciences **Department:** Plant and Soil Sciences

Contact Person: Richard Harkess **Mail Stop:** 9555 **E-mail:** rlh18@msstate.edu

Nature of Change: Modification **Date:** 9/15/22

Program will be offered at: Starkville (Campus 1)

Current Degree Program Name: Bachelor of Science **Effective Date:** Fall 2023

Major: Environ Sciences in Ag Systems **Concentration:**

New Degree Program Name: Select One

Major: **Concentration:**

Summary of Proposed Changes:

See attached page for itemized list of proposed changes to the curriculum.

Darrin M. Dodds — Darrin Dodds Digitally signed by Darrin Dodds Date: 2022.09.26 07:52:13 -05'00'

Department Head

Will Davis — Will Davis Digitally signed by Will Davis Date: 2022.10.21 12:18:29 -05'00'

Chair, College or School Curriculum Committee

Darrell Sparks (for Scott Willard) — Darrell L. Sparks 10/21/22

Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council (if applicable)

Chair, Deans Council

☐ SACS Letter Sent

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

NOTE: This form is a cover sheet that must accompany the degree program change proposal. The actual proposal should be prepared in accordance with format requirements provided in the *Guide and Format for Curriculum Proposals* published by the UCCC. Both cover sheet and proposal should be submitted to UCCC Mail Stop 9702 (281 Garner Hall), Phone: 325-9410.

College: Agriculture & Life Sciences **Department:** Plant and Soil Sciences

Contact Person: Richard Harkess **Mail Stop:** 9555 **E-mail:** richard.harkess@msstate.edu

Nature of Change: Program Modification **Date Initiated:** 9/26/22 **Effective Date:** Fall 2023

Current Degree Program Name: Bachelor of Science

Major: Environ Sciences in Ag Systems **Concentration:**

New Degree Program Name:

Major: **Concentration:**

Summary of Proposed Changes:

See attached sheet for itemized proposed changes to the curriculum.

Approved:	Date:
Department Head	
Dana Pomykal Franz — Digitally signed by Dana Pomykal Franz Date: 2022.10.10 15:01:19 -05'00'	
Director of Academic Quality	
Chair, College or School Curriculum Committee	
Dean of College or School	
Chair, University Committee on Courses and Curricula	
Chair, Graduate Council(if applicable)	
Chair, Deans Council	

Itemized Changes to the Environmental Science in Ag Systems Curriculum

1. Modified the PSS program description to include reference to the availability of the Distance Education graduate degree programs.

English Gen Ed

2. Added EN 1104 Expanded English Comp I
3. Deleted EN 1163 from English Gen Ed – course no longer taught.

Math Gen Ed

4. Deleted MA 1313 – no longer required in Gen Ed

Science Gen Ed

5. Added CH 1051 as an OR option to CH 1211 to science Gen Ed
6. Added CH 1043 as an OR option to CH 1213 to science Gen Ed

7. Deleted Computer Literacy Requirement – moved computer course to Major Core

Junior level Writing Requirement

8. Added EN 3313 Writing for the Workplace as an OR option to AELC 3203

Major Core

9. Added AEC 1223 or AELC 4203 – moved from Computer literacy requirement
10. Added PSS 4314 Microbiology and Ecology of Soils as an OR option to BIO 3304
11. Added CH 1053 as an OR option to CH 1223 to science Gen Ed.
12. Added GR 3113 Conservation of Natural Resources
13. Added PSS 4493 Plant Genetics as an OR alternative to PO 3103 Genetics. – new course.
14. Added Focus Area in place of restricted electives.
15. Deleted ADS 1121 Animal Science Laboratory
16. Deleted BIO 2503 Environmental Quality
17. Increased Agricultural Systems Electives from 6 to 9 hours
18. Deleted Restricted Elective lists – replaced with Focus Areas

Agriculture Systems Electives

19. Increased Agricultural Systems Electives from 6 to 9 hours
20. Added PSS 3633 Sustainable and Organic Horticulture
21. Added PSS 4153 Sustainable Agroecology
22. Added PSS 4473 Hydroponics and Soilless Crops
23. Deleted ADS 4814 Dairy Farm Management
24. Deleted ADS 4324 Beef Cattle Production
25. Deleted ADS 4113 Swine Science
26. Deleted ADS 4222 Small Ruminant Production
27. Deleted ADS 3223 Horse Management
28. Deleted ADS 3312 Livestock Management
29. Deleted PSS 4341 Controlled Environment Ag Lab
30. Reconfigured the restricted electives into 4 **Focus Areas, select 24 hours from**: Soil and the Environment, Environmental Ag Consulting, Environmental Policy & Regulation, or Environmental Conservation. See proposal for lists of classes.

PROPOSAL FOR CHANGE IN CURRICULUM
Degree: BACHELOR OF SCIENCE
Major: ENVIRONMENTAL SCIENCES IN AGRICULTURAL SYSTEMS

1. CATALOG DESCRIPTION
   No significant changes were made in the mission of the program. Minor changes to the catalog description appear below.

2. CURRICULUM OUTLINE
   Deletions in Italics
   Additions in Bold
   New course proposals designated with an asterix (*)

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science Major: Environmental Sciences in Agricultural Systems	Degree: Bachelor of Science Major: Environmental Sciences in Agricultural Systems
Plant and Soil Sciences curricula focus on the application of sciences to the integrated management of plants, soil, and climate for high-quality production of food, fiber, fuel, and ornamental plants. Central to this course of study is the dedication to conserve, maintain and enhance our environment. An undergraduate student may major in Agronomy (AGN), Environmental Sciences in Agricultural Systems (ESAS), or Horticulture (HO) and specialize in concentration areas such as Agricultural and Environmental Soil Sciences (AGN), Golf and Sports Turf Management (AGN), Integrated Crop Management (AGN), Integrated Pest Management (AGN), Floral Management (HO), Floriculture and Ornamentals (HO), and Fruit and Vegetable Production (HO). A grade of "C" or better is required in all required PSS courses in the student's major prior to completion of the degree. *Graduate programs (M.S. and Ph.D.) are also offered in the Department of Plant and Soil Sciences in the major of Plant and Soil Sciences, with concentrations* in Agronomy, Horticulture, and Weed Science. Consult the Graduate Bulletin for additional details.	Plant and Soil Sciences curricula focus on the application of sciences to the integrated management of plants, soil, and climate for high-quality production of food, fiber, fuel, and ornamental plants. Central to this course of study is the dedication to conserve, maintain and enhance our environment. An undergraduate student may major in Agronomy (AGN), Environmental Sciences in Agricultural Systems (ESAS), or Horticulture (HO) and specialize in concentration areas such as Agricultural and Environmental Soil Sciences (AGN), Golf and Sports Turf Management (AGN), Integrated Crop Management (AGN), Integrated Pest Management (AGN), Floral Management (HO), Floriculture and Ornamentals (HO), and Fruit and Vegetable Production (HO). A grade of "C" or better is required in all required PSS courses in the student's major prior to completion of the degree. **The Department of Plant and Soil Sciences also offers on-campus and online M.S. and Ph.D. graduate programs** in Agronomy, Horticulture, and Weed Science. Consult the Graduate Bulletin for additional details
The Environmental Sciences in Agricultural Systems (ESAS) curriculum provides an educational foundation to prepare students for diversified careers focused on environmental issues related to agronomic and horticultural production. Students completing this curriculum are prepared for careers in national and international environmental agricultural consulting, government conservation agencies, teaching, and research. Required courses provide training in environmental sciences related to agricultural issues.	The Environmental Sciences in Agricultural Systems (ESAS) curriculum provides an educational foundation to prepare students for diversified careers focused on environmental issues related to agronomic and horticultural production. Students completing this curriculum are prepared for careers in national and international environmental agricultural consulting, government conservation agencies, teaching, and research. Required courses provide training in environmental sciences related to agricultural issues.

CURRENT CURRICULUM OUTLINE	Req. Hours	PROPOSED CURRICULUM OUTLINE	Req. Hours
English: EN 1103 English Comp I *or EN 1163 Accelerated Comp I* EN 1113 English Comp II or EN 1173 Accelerated Comp II	 3 3	English: EN 1103 English Comp I **OR EN 1104 Expanded English Comp I** EN 1113 English Comp II or EN 1173 Accelerated Comp II	 3 3
Math: *MA 1313 College Algebra* ST 3123 Intro to Statistical Inference or MA 1323 Trigonometry	 *3* 3	Math: ST 3123 Intro to Statistical Inference or MA 1323 Trigonometry	 3
Natural Sciences: BIO 1134 Biology I CH 1211 Investigations in Chemistry I CH 1213 Chemistry I *CH 1221 Investigations in Chemistry II*	 4 1 3 1	Natural Sciences: BIO 1134 Biology I CH 1211 Investigations in Chemistry I **or CH 1051 Experimental Chemistry** CH 1213 Chemistry I **or CH 1043 Survey of Chemistry I**	 4 1 3
Humanities: FLS 1113 Spanish I FLS 1123 Spanish II	 3 3	Humanities: FLS 1113 Spanish I FLS 1123 Spanish II	 3 3
Fine Arts: select from General Education courses	 3	Fine Arts: select from General Education courses	 3
Social/Behavioral Sciences: AEC 2713 Intro to Food & Resource Econ or EC 2113 Prin. Macroeconomics or EC 2123 Prin. Microeconomics Select additional course from General Ed options	 3 3	Social/Behavioral Sciences: AEC 2713 Intro to Food & Resource Econ or EC 2113 Prin. Macroeconomics or EC 2123 Prin. Microeconomics Select additional course from General Ed options	 3 3
Oral Communication Proficiency CO 1003 Fundamentals of Public Speaking or CO 1013 Intro to Communications	 3	Oral Communication Proficiency CO 1003 Fundamentals of Public Speaking or CO 1013 Intro to Communications	 3
Computer Literacy Proficiency *AEC 1223 Computer App Ag Life Sci* *or AELC 4203 App Comp Tech AELC*	 *3*		
Junior level Writing Requirement AELC 3203 Professional Writing in ANRHS	 3	Junior level Writing Requirement AELC 3203 Professional Writing in ANRHS **or EN 3313 Writing for the Workplace**	 3
Major Core Courses: ADS 1113 Animal Science *ADS 1121 Animal Science Laboratory* BIO 1144 Biology II *BIO 2503 Environmental Quality* BIO 3304 General Microbiology BIO 4214 General Plant Physiology or PSS 4113 Agricultural Crop Physiology CH 1223 Chemistry II CH 2501 Elementary Organic Chemistry Lab CH 2503 Elementary Organic Chemistry ENS 2103 Intro to Environmental Science GG 1111 Earth Sciences I Laboratory GG 1113 Survey of Earth Sciences I	 3 *1* 4 *3* 4 3-4 3 1 3 3 1 3	Major Core Courses: ADS 1113 Animal Science **AEC 1223 Computer App Ag Life Sci** **or AELC 4203 App Comp Tech AELC** BIO 1144 Biology II BIO 3304 General Microbiology **or PSS 4314 Microbiol and Ecology of Soils** PSS 4113 Agricultural Crop Physiology or BIO 4214 General Plant Physiology CH 1223 Chemistry II **or CH 1053 Survey of Chemistry II** CH 2501 Elementary Organic Chemistry Lab CH 2503 Elementary Organic Chemistry ENS 2103 Intro to Environmental Science	 3 3 4 4 3 3 1 3 3

GG 3613 Water Resources PH 1113 General Physics I PO 3103 Genetics PSS 1313 Plant Science PSS 3301 Soils Laboratory PSS 3303 Soils PSS 3423 Agronomy Internship or PSS 3433 Horticulture Internship Agricultural Systems Electives *Restricted Electives*	3 3 3 3 3 1 3 *6* *21*	GG 1111 Earth Sciences I Laboratory GG 1113 Survey of Earth Sciences I GG 3613 Water Resources **GR 3113 Conservation of Natural Resources** PH 1113 General Physics I PO 3103 Genetics **or PSS 4493 Plant Genetics** PSS 1313 Plant Science PSS 3301 Soils Laboratory PSS 3303 Soils PSS 3423 Agronomy Internship or PSS 3433 Horticulture Internship **Agricultural Systems Electives** **Focus Area (pick one)**	1 3 3 **3** 3 3 3 1 3 3 **9** **24**
Agriculture Systems Electives *(6 hours):* *ADS 4814 Dairy Farm Management* *ADS 4324 Beef Cattle Production* *ADS 4113 Swine Science* *ADS 4222 Small Ruminant Production* *ADS 3223 Horse Management* *ADS 3312 Livestock Management* PSS 3043 Fruit Science PSS 4103 Forage and Pasture Crops PSS 4123 Grain Crops PSS 4133 Fiber and Oilseed Crops PSS 4143 Advanced Fruit Science PSS 4223 Seed Production *PSS 4341 Controlled Environment Ag Lab* PSS 4343 Controlled Environment Agriculture PSS 4363 Sustainable Nursery Management PSS 4414 Turf Management PSS 4423 Golf Course Operations PSS 4443 Athletic Field Management PSS 4453 Vegetable Production PSS 4613 Floriculture Crop Programming	*(6)*	Agriculture Systems Electives **(9 hours):** PSS 3043 Fruit Science **PSS 3633 Sustainable and Organic Hort.** PSS 4103 Forage and Pasture Crops PSS 4123 Grain Crops PSS 4133 Fiber and Oilseed Crops PSS 4143 Advanced Fruit Science **PSS 4153 Sustainable Agroecology** PSS 4223 Seed Production PSS 4343 Controlled Environment Agriculture PSS 4363 Sustainable Nursery Management PSS 4414 Turf Management PSS 4423 Golf Course Operations PSS 4443 Athletic Field Management PSS 4453 Vegetable Production **PSS 4473 Hydroponics & Soilless Crops** PSS 4613 Floriculture Crop Programming	**(9)**
Restricted Electives: *Soil Science Electives (Choose at least 1):* *PSS 4313 Soil Fertility and Fertilizers* *PSS 4323 Soil Classification* *PSS 4333 Soil Conservation and Land Use* *PSS 4314 Microbiology and Ecology of Soils* *PSS 4603 Soil Chemistry* *Environment and Society Electives (Choose at least 1):* *ACC 2013 Principles of Financial Accounting* *AEC 3133 Intro Agribusiness Management* *AEC 3233 Intro Environmental Economics Policy* *AEC 4413 Public Problems in Agriculture* *AEC 4243Natural Resources Economics* *BL 4263 Environmental Law* *FO 4353 Natural Resource Law* *PS 1113 American Government* *PS 2703 Introduction to Public Policy* *PS 4743 Environmental Policy* ***P**est Management Electives (Choose at least 1):*	*(21)*	**Focus Areas (Choose one):** **SOIL AND THE ENVIRONMENT** **ABE 4313 Biol Trt Nonpoint Source Pollutants** **ABE 2873 Land Surveying** **ABE 4263 Soil and Water management** **BCH 4013 Principles of Biochemistry** **BIO 3104 Ecology** **BIO 4213 Plant Ecology** **BIO 4404 Environmental Microbiology** **CH 2311 Analytical Chemistry Lab** **CH 2313 Analytical Chemistry** **GR 1604 Weather and Climate** **GR 2313 Maps and Remote Sensing** **GR 3133 Conservation of Natural Res** **GR 4303 Principles of GIS** **GR 4313 Advanced GIS** **GR 4303 Prin of GIS** **GR 4333 Remote Sensing of Phy Environ** **GR 4343 Advanced Remote Sensing** **PSS 2543 Precision Ag I** **PSS 4000 Directed Individual Study**	**(24)**

EPP 2213 Introduction to Insects *EPP 3423 Ornamental and Turfgrass Insects* *EPP 4113 Principles of Plant Pathology* *EPP 4163 Plant Disease Management* *PSS 3133 Introduction to Weed Science* *PSS 4633 Weed Biology and Ecology* *PSS 4813 Herbicide Technology* *PSS 4823 Turfgrass Weed Management* *Environmental Science Technical Electives (Choose at least 1):* *GR 2313 Maps and Remote Sensing* *GR 3113 Conservation of Natural Resources* *GR 4303 Principles of GIS* *GR 4313 Advanced GIS* *PSS 4373 Geospatial Agronomic Management* *Landscape and Society Electives (Choose at least 1):* *LA 4753 Sustainable Landscape management* *LA 4843 Sustainable Communities* *PSS 3633 Sustainable and Organic Horticulture* *PSS 4353 Arboriculture and Landscape Maint.* *PSS 4043 International Horticulture* *Biology/Ecology Electives (Choose at least 1):* *BIO 2113 Plant Biology* *BIO 3104 Ecology* *BIO 4203 Taxonomy of Spermatophytes* *BIO 4213 Plant Ecology* *BIO 4404 Environmental Microbiology* *PSS 4553 Plant Growth and Development* **Additional Restricted Electives:* *ABE 4313 Biological Treatment of Nonpoint Source Pollutants* *ABE 2873 Land Surveying* *ABE 4263 Soil and Water management* *BCH 4013 Principles of Biochemistry* *CH 2311 Analytical Chemistry Lab* *CH 2313 Analytical Chemistry* *GR 1603 Introduction to Meteorology* *PSS 2423 Plant Materials I* *PSS 3473 Plant Materials II* *PSS 3923 Plant Propagation* *PSS 4503 Plant Breeding* *PSS 4000 Directed Individual Study* **Any course from the agricultural systems or restricted electives categories not taken to fulfill the required electives categories may be taken as an additional restricted elective.*		**PSS 4313 Soil Fertility and Fertilizers** **PSS 4314 Microbiology and Ecology of Soils** **PSS 4323 Soil Classification** **PSS 4333 Soil Conservation and Land Use** **PSS 4373 Geospatial Agronomic Management** **PSS 4383 Ag Remote Sensing I** **PSS 4393 Ag Remote Sensing II** **PSS 4543 Precision Ag II** **PSS 4553 Plant Growth and Development** **PSS 4603 Soil Chemistry** **PSS 4800 Undergraduate Research in PSS** **ENVIRONMENTAL AG CONSULTING** **EPP 2213 Introduction to Insects** **Or EPP 3423 Ornamental & Turfgrass Insects** **Or EPP 4154 General Entomology** **EPP 4113 Principles of Plant Pathology** **EPP 4163 Plant Disease Management** **EPP 4214 Diseases of Crops** **EPP 4234 Field Crop Insects** **EPP 4263 Prin Insect Pest Management** **GR 1604 Weather and Climate** **GR 2313 Maps and Remote Sensing** **GR 3133 Conservation of Natural Res** **GR 4303 Principles of GIS** **GR 4313 Advanced GIS** **GR 4303 Prin of GIS** **GR 4333 Remote Sensing of Phy Environ** **GR 4343 Advanced Remote Sensing** **PSS 2423 Plant Materials I** **PSS 2543 Precision Ag I** **PSS 3133 Introduction to Weed Science** **PSS 3473 Plant Materials II** **PSS 3633 Sustainable & Organic Horticulture** **PSS 3923 Plant Propagation** **PSS 4000 Directed Individual Study** **PSS 4353 Arboriculture and Landscape Maint.** **PSS 4373 Geospatial Agronomic Management** **PSS 4383 Ag Remote Sensing I** **PSS 4393 Ag Remote Sensing II** **PSS 4463 Community Food Systems** **PSS 4543 Precision Ag II** **PSS 4553 Plant Growth and Development** **PSS 4633 Weed Biology and Ecology** **PSS 4813 Herbicide Technology** **PSS 4823 Turfgrass Weed Management** **PSS 4800 Undergraduate Research in PSS** **ENVIRONMENTAL POLICY & REGULATION** **ABE 4313 Biol Trt Nonpoint Source Pollutants** **ABE 2873 Land Surveying** **ABE 4263 Soil and Water management** **ACC 2013 Principles of Financial Accounting** **AEC 3133 Intro Agribusiness Management** **AEC 3233 Intro Environmental Econ. Policy** **AEC 4413 Public Problems in Agriculture** **AEC 4243 Natural Resources Economics** **BCH 4013 Principles of Biochemistry**	

		BIO 3104 Ecology **BIO 4213 Plant Ecology** **BIO 4404 Environmental Microbiology** **BL 4263 Environmental Law** **FO 4353 Natural Resource Law** **LA 4753 Sustainable Landscape Management** **LA 4843 Sustainable Communities** **PS 1113 American Government** **PS 2703 Introduction to Public Policy** **PS 4743 Environmental Policy** **PSS 2543 Precision Ag I** **PSS 3323 Horticultural Impacts on Society** **PSS 3633 Sustainable & Organic Horticulture** **PSS 4000 Directed Individual Study** **PSS 4043 International Horticulture** **PSS 4373 Geospatial Agronomic Management** **PSS 4463 Community Food Systems** **PSS 4543 Precision Ag II** **PSS 4800 Undergraduate Research in PSS** **ENVIRONMENTAL CONSERVATION** **ABE 4313 Biol Trt Nonpoint Source Pollutants** **ABE 2873 Land Surveying** **ABE 4263 Soil and Water management** **BCH 4013 Principles of Biochemistry** **BIO 2113 Plant Biology** **BIO 3104 Ecology** **BIO 4203 Taxonomy of Spermatophytes** **BIO 4213 Plant Ecology** **BIO 4404 Environmental Microbiology** **CH 2311 Analytical Chemistry Lab** **CH 2313 Analytical Chemistry** **GR 1604 Weather and Climate** **GR 2313 Maps and Remote Sensing** **GR 3133 Conservation of Natural Res** **GR 4303 Principles of GIS** **GR 4313 Advanced GIS** **GR 4303 Prin of GIS** **GR 4333 Remote Sensing of Phy Environ** **GR 4343 Advanced Remote Sensing** **LA 4753 Sustainable Landscape Management** **LA 4843 Sustainable Communities** **PSS 2423 Plant Materials I** **PSS 2543 Precision Ag I** **PSS 3473 Plant Materials II** **PSS 3633 Sustainable & Organic Horticulture** **PSS 3923 Plant Propagation** **PSS 4463 Community Food Systems** **PSS 4553 Plant Growth and Development** **PSS 4000 Directed Individual Study** **PSS 4314 Microbiology and Ecology of Soils** **PSS 4323 Soil Classification** **PSS 4333 Soil Conservation and Land Use** **PSS 4353 Arboriculture and Landscape Maint.** **PSS 4373 Geospatial Agronomic Management** **PSS 4383 Ag Remote Sensing I** **PSS 4393 Ag Remote Sensing II** **PSS 4463 Community Food Systems** **PSS 4543 Precision Ag II**	

		PSS 4553 Plant Growth and Development **PSS 4800 Undergraduate Research in PSS**	
Total Hours	*123*	Total Hours	**124**

3. STUDENT LEARNING OUTCOMES AND ASSESSMENT

Expected student learning outcomes:

1. Students will be able to demonstrate a broad-based knowledge in the environmental sciences related to agricultural practices and obtain practical field experiences through the internship program.
2. Students will be able to identify and discuss primary environmental issues related to agriculture.
3. Students will know and understand current trends and important issues in environmental science.
4. Students will be familiar with environmental laws and regulations as they pertain to agricultural practices.
5. Students will have a working knowledge of data management and interpretation.

The curriculum provides a variety of educational experiences including lectures, discussion, simulations, computer applications, and individual and group projects in laboratories and field experiences. These experiences will ensure graduates of the program can knowledgeably develop, apply, and execute environmental science management plans related to agricultural systems addressing matters of ecosystem health, sustainability, and legal and regulatory environmental issues.

4. SUPPORT

See attached letters.

There will be no additional personnel or material support needed to support this degree program.

5. PROPOSED 4-LETTER ABBREVIATION

ESAS (Environmental Sciences in Agricultural Systems)

6. EFFECTIVE DATE

Spring 2023

MISSISSIPPI STATE UNIVERSITY™

COLLEGE OF AGRICULTURE & LIFE SCIENCES
Department of Plant and Soil Sciences

117 Dorman Hall, Box 9555
32 Creelman Street
Mississippi State, MS 39762

P. 662.325.2311
F. 662.325.8742
www.pss.msstate.edu

September 23, 2022

University Courses & Curriculum Committee
Andy Perkins, Chair
281 Garner Hall;
Post Office Box 5268
Mailstop: 9702
Mississippi State, MS 39762

UCCC:

The PSS CCC met as a committee to discuss the proposed degree modification: Agronomy, Horticulture, and Environmental Sciences in Ag Systems. After review and discussion, the committee voted unanimously to support the degree modifications. The committee determined the degree modifications were deemed necessary to update the PSS curriculum to current practices, reflect current departmental curriculum needs, and are relevant to student success. These degrees do not represent a duplication of effort from other degrees offered at Mississippi State University.

Sincerely,

Richard L Harkess

Richard L. Harkess, Chair

Plant and Soil Sciences Courses & Curriculum Committee

PSS CCCommittee:

Michael S Cox	Jagman Dhillon Jagman Dhillon (Sep 23, 2022 16:55 CDT)	Fred Musser Fred Musser (Sep 25, 2022 21:16 CDT)
Michael Cox	Jagman Dhillon	Fred Musser
Coleman Etheredge	William Kingery	Barry Stewart
Cole Etheredge	William Kingery	Barry Stewart

c: Darrin Dodds, Dept. Head, PSS

Cindy Williams, Administrative Assistant

Signature: Michael S Cox (Sep 23, 2022 16:35 CDT)

Email: msc15@msstate.edu

Signature: Coleman Etheredge (Sep 26, 2022 07:06 CDT)

Email: cle248@msstate.edu

Signature: William Kingery (Sep 26, 2022 07:10 CDT)

Email: wlk2@msstate.edu

Signature: Barry Stewart (Sep 26, 2022 12:09 CDT)

Email: brs40@msstate.edu

Signature:

Email: rlh18@msstate.edu

DocuSign Envelope ID: 0B3A8008-01C2-44E9-B562-2A994F4D16CB

MISSISSIPPI STATE UNIVERSITY™
DEPARTMENT OF ENGLISH

TO: Andy Perkins
Chair, University Committee on Courses and Curricula

FROM: Ted Atkinson DocuSigned by: Ted Atkinson D5BD17E9E4BE468... Megan Smith DocuSigned by: Megan Smith BE3AB8C7D125472...
Co-Chairs, Department of English Curriculum Committee

RE: Request to Add EN 3313 to PSS Curriculum

DATE: March 6, 2023

On March 3, the Department of English Curriculum Committee voted unanimously to support the proposal to add EN 3313: Writing for the Workplace to the Environmental Science in Agricultural Systems curriculum in the Department of Plant and Soil Sciences.

Members of the Committee:

DocuSigned by: Shalyn Claggett CB6A6C9982A7AB5...
Shalyn Claggett

DocuSigned by: Lara Dodds 8ADF03C1C043437...
Lara Dodds

DocuSigned by: EFED9AB99F4D4F5...
Ginger Pizer

DocuSigned by: Andrea Spain 0EAB65F73108443...
Andrea Spain

DocuSigned by: 181264F354DE44E...
Dhanashree Thorat

MISSISSIPPI STATE UNIVERSITY.

COLLEGE OF AGRICULTURE & LIFE SCIENCES
Department of Biochemistry, Molecular Biology,
Entomology and Plant Pathology
P. O. Box 9655
Mississippi State, MS 39762
P. 662.325.2640
biochemistry.msstate.edu

Mar. 1, 2023

MEMORANDUM

TO: University Committee on Courses and Curricula

FROM: Biochemistry, Molecular Biology, Entomology, and Plant Pathology (BCH-EPP) Curriculum Committee

Re: Letter of support for the PSS curriculum modification

The BCH-EPP Curriculum Committee has reviewed the proposal from the Department of Plant Soil Sciences, which proposes to slightly modify the Envir. Sci. in Ag Systems curriculum. We support the proposal to add EPP 4154 General Entomology, EPP 4214 Diseases of Crops, EPP 4234 Field Crop Insects and EPP 4263 Prin. Insect Pest Mgmt. to Envir. Sci. in Ag Systems curriculum as restricted electives.

Regards,

Digitally signed by Shien Lu
DN: cn=Shien Lu, o=Mississippi State University, ou, email=sl332@msstate.edu, c=US
Date: 2023.03.01 13:16:34 -06'00'

Shien Lu, Ph.D.
Professor and Committee Chair
sl332@plantpath.msstate.edu

Digitally signed by John J. Riggins

John J. Riggins, Ph.D.
Professor
jriggins@entomology.msstate.edu

Aswathy N. Rai
Digitally signed by Aswathy N. Rai
Date: 2023.03.03 13:58:01 -06'00'

Aswathy Rai, Ph.D.
Assistant Clinical Professor and Undergraduate Coordinator
aswathy.rai@msstate.edu

Federico G. Hoffmann
Digitally signed by Federico G. Hoffmann
Date: 2023.03.03 19:47:48 -06'00'

Federico Hoffmann, Ph.D.
Associate Professor
fgh19@msstate.edu

Natraj Krishnan
Digitally signed by Natraj Krishnan
Date: 2023.03.01 17:02:37 -06'00'

Natraj Krishnan, Ph.D.
Associate Professor and Graduate Coordinator
nkrishnan@entomology.msstate.edu

MISSISSIPPI STATE
UNIVERSITY

Department of Geosciences
108 Hilbun Hall
355 Lee Blvd.
P.O. Box 5448
Mississippi State, MS 39762
Phone (662) 325-3915
FAX (662) 325-9423

March 1, 2023

Dear Curriculum Committee chair,

The Department of Geosciences Curriculum Committee reviewed the degree modification proposal where four of our courses, GR 4333 Remote Sensing of the Physical Environment, GR 4343 Advanced Remote Sensing, GR 4303 Principles of GIS, and GR 3133 Conservation of Natural Resources, are to be added as electives. The committee fully supports the inclusion of all of these courses in this modification and we look forward to working with the students from PSS. If you have any questions, please let me know.

Respectfully,

Andrew Mercer Digitally signed by Andrew Mercer Date: 2023.03.01 11:53:51 -06'00'

Andrew Mercer (Committee Chair)

Christa R. Haney Digitally signed by Christa R. Haney Date: 2023.03.01 12:37:57 -06'00'

Christa Haney (Committee Member)

Rinat Gabitov Digitally signed by Rinat Gabitov Date: 2023.03.01 19:21:50 -06'00'

Rinat Gabitov (Committee Member)

Padmanava Dash Digitally signed by Padmanava Dash Date: 2023.03.02 01:56:44 -06'00'

Padmanava Dash (Committee Member)

Sarah Lalk Digitally signed by Sarah Lalk DN: cn=Sarah Lalk, o, ou, email=spr67@msstate.edu, c=US Date: 2023.03.01 16:50:56 -06'00'

Sarah Lalk (Committee Member)

Brian S. Williams Digitally signed by Brian S. Williams Date: 2023.03.02 09:18:14 -06'00'

Brian Williams (Committee Member)

Cc: Dr. John C. Rodgers, Department Head of Geosciences