



University Courses & Curricula Committee 2017-2018

April 25, 2018
 Talley Student Union 4140
 12:45pm-2:45pm

Call to Order 12:45pm

- Welcome from Chair Helmut Hergeth
- Remarks and Updates from OUCCAS/DASA
- Approval of UCCC April 11th 2018 Minutes
- Course and Curricular Business

New Business

Consent Agenda		
Action	Type	Notes
COM 315 Phonetics	Drop	Drop, replaced by new course ENG 315
COM 335 Language Development	Drop	Drop, replaced by new course ENG 335
EC 377 The Political Economy of the Market Process	Drop	Course being dropped
MEA 450 Introductory Sedimentology and Stratigraphy	Minor	Revisions: Title, description
MEA 495 Junior Seminar in the Marine, Earth, and Atmospheric Sciences	Minor	Revisions: Title, description
Dance Minor	Minor	Revision: Adding DAN 260 to the elective list
Meteorology Minor	Minor	Revision: Replacing two dropped courses with new course

College of Design			
Presenter	Reviewers	Action	Type
Rieder	Robinson, Kuzenski, Trivedi	ADN 496 The Business of Art & Design	New Course
Rieder	Klesath, Orphaniedes, Peterson	GD 203 History of Graphic Design	Revisions: SLOs, term offering, student eval methods
Rieder	Hessling, Fath, Cherry	GD 303 Graphic Design Theory and Practice	Revisions: SLOs, term offering, student eval methods

College of Agriculture and Life Sciences			
Presenter	Reviewers	Action	Type
Trivedi	Orphaniedes, Carlson Welch, Robinson	CS 418 Intro to Regulatory Science in Agriculture	New Course
Trivedi	Lindsay, Griffin Hillis, Fath	PB 325 Culinary Botany	New Course
Trivedi	Klesath, Lindsay, Seracino	SSC 410 Soil Judging for Land Evaluation	New Course
Bruce	Peterson, Hessling, Despain	Agroecology Minor	Revisions for consistency in 4 related Minors
Bruce	Griffin Hillis, Kuzenski, Carlson Welch	Crop Science Minor	Revisions for consistency in 4 related Minors
Bruce	Lindsay, Ferguson, Rieder	Soil Science Minor	Revisions for consistency in 4 related Minors
Bruce	Fath, Cherry, Krause	Turfgrass Science Minor	Revisions for consistency in 4 related Minors

Poole College of Management			
Presenter	Reviewers	Action	Type
Kuzenski	Bruce, Seracino, Orphaniedes	ACC 230 Individual Income Taxation	New Course
Kuzenski	Ferguson, Krause, Carlson Welch	MIE 430 Teamwork in Organizations	New Course

University College

Presenter	Reviewers	Action	Type
Fath	Bruce, Havner, Despain	SLC 101 Community Leadership	Revisions: Description, eval methods
Fath	Hessling, Nadvi, Trivedi	SLC 475 Capstone for Global Leadership & Team Decision Making	New Course
Carlson Welch	Lindsay, Klesath, Rieder	Global Leadership and Team Decision Making Minor	New Minor

College of Sciences

Presenter	Reviewers	Action	Type
Robinson	Bruce, Seracino, Orphaniedes	MEA 252 Biology of Marine Mammals	New Course
Klesath	Ferguson, Krause, Carlson Welch	MEA 350 Marine Conservation Biology	New Course

Discussion:**Notes:**

- All linked course actions are viewable in CIM.
- To view actions, please click on the hyperlink. You may need to use your Unity ID to log in.
- If you experience issues logging in, please go to <https://next-catalog.ncsu.edu/courseadmin/> and type the course prefix and number into the search bar.

SLO = Student Learning Outcomes

University Courses and Curricula CommitteeApril 11, 2018
Talley Student Union 4140
Call to Order: 12:46 pm

Members Present: Chair Helmut Hergeth, Chair Elect Marta Klesath, Walter Robinson, Elizabeth Fath, Andreas Orphanides, Megan Cherry, Kathleen Rieder, John Kuzenski, Walter Robinson, Peter Hessling, Scott Despain, Berkley Griffin Hillis, Erin Peterson, Kerry Havner, Shweta Trivedi, Annie Carlson Welch, Rudi Seracino, Wendy Krause, Jackie Bruce

Members Absent: Scott Ferguson, Zeenat Nadvi, Edwin Lindsay,

Guests: Jason DeRousie, Alease Hancock, Matthew Peterson, Tsailu Liu

Ex-Officio Members Present: Lexi Hergeth, Li Marcus, Bret Smith, John Harrington, Tim Petty, Rebecca Stojancic, Jordan Luzader, Charles Cliff

WELCOME AND INTRODUCTIONS

- **Remarks from Chair Elect** - Welcomed the committee members introduced guests.
- **Remarks from OUCCAS/DASA-** Li Marcus reminded the committee today is the deadline for actions wanting approval this academic year. Li also let the committee know an invitation was sent out for an afterhours reception.
- **Approval of the Minutes from March 28th 2017 – Approved Unanimously**
 - Discussion: Member Walter Robinson moved to approve. Member commented that on the second page of the minutes, the discussion about the total credit hours in the environmental engineering program section should be for the action above, the dual degree action. This will be corrected immediately after the meeting.

NEW BUSINESS

- **Consent Agenda -Approved Unanimously with Friendly Suggestion**

Discussion: Member Jackie Bruce moved to approve. Member commented that a few courses are listed incorrectly. Friendly suggestion to correct these courses for the minor lists. John Harrington from R&R complimented the English updates with the clearly listed courses, this will make updating the curricula actions much easier.
- **Graphic Design Bachelor degree - Approved Unanimously**

Discussion: Member Kathleen Rieder presented the curricular action. Member commented that it looks like this update will be more flexible for students. Member indicated on the format A it would be nice to have the strike through font for clarity.
- **Coaching Education Minor (24CAM) -Approved Unanimously**

Discussion: Member Annie Carlson Welch presented the curricula action.
- **AGI 192 AGI External Learning Experience - Approved Pending**

Discussion: Member Shweta Trivedi presented the new course. Member noted a discrepancy in the catalog description and CIM: 8 majors were referenced in one versus 6 in the other. Alease confirmed that it should be six in both. Member asked about the number of repetitions allowed in the course as CIM indicated a possible maximum of two repetitions with a max total of 6 hours, while the credit hours indicated in the syllabus seemed to go up to 12. Member commented that the course is a 10 week course and the hours per week should be 15 hours for a 3 credit hour internship course. Guest Alease Hancock clarified that this course can be taken twice for a total of 6 credit hours and a maximum of 3 credit hours each offering. Rebecca from R&R clarified that in SIS there is not an option for a range therefore it made sense to list the lowest number of a possible range of contact hours. Member Suggested correcting the contact hours for consistency in the syllabus and CIM. The chair and members discussed and confirmed with XNOV members that 15 contact hours per week for 10 weeks to equal the total of 150 contact hours needed for a 3 credit hour in an internship course. Member moved to change the motion to approve pending the clarification of the contact to credit hours and the reconciliation of information between CIM and SIS. Motion approved. Member appreciated the provided assessments in the syllabus. Course approved pending the update and clarification of the contact and credit hours.
- **ECE 460/(560) Embedded System Architectures –Approved Unanimously**

Discussion: Member Rudi Seracino presented the course. Presenter pointed out that this is a new course that is

reusing the numbering. Members discussed that this is not a drop, but a rebirth of a new course.

➤ **EC 468 Game Theory -*Approved Pending with friendly suggestions***

Discussion: Member John Kuzenski presented the curricular revisions. Presenter introduced guest Jason DeRousie. Member indicated there were a few hyperlinks with red text and one URL is present but did not link. Member indicated the course is 15 weeks and should be updated to 16 weeks. The student learning outcomes need to be measurable and it is not clear how these will be measured. Member indicated it is not clear how much homework will be presented and suggested providing an estimate. Member also indicated a specific number of allowed excused absences is not provided in the syllabus. Reference to the academic integrity policy statement is also needed and the disabilities statement needs to be updated.

Member moved to change the motion to approved pending the inclusion of the required policies and statements hyperlinks. Motion approved. Members discussed the absence section and confirmed that, based on the syllabus regulation; the course should provide the number of acceptable absences. Member commented that as an instructor he felt that the university absence policy would need to be adhered to based on the excused absences. Member suggested going up the chain of command because the attendance policy seems contradictory. Members said the instructor can say the number of absences, unexcused or excused should be explained. Members discussed syllabus regulations 2.1.2.3 and 2.1.2.2. Chair indicated because each course is different some courses have labs or field trips that cannot be repeated. Member commented that ENG 455 handles this nicely by indicating the number of acceptable absences and that the instructor would assist students in dropping the course if they were to surpass the number of acceptable absences. Member commented that this is similar to the contact hours needed for physical education courses. Chair asked if they had consulted with other departments, guest indicated they did not, but that the other Game Theory course was different in discipline and has not been offered in many years.

➤ **ENG/WGS 308 Contemporary Issues in Ecofeminism -*Approved Unanimously***

Discussion: Member Scott Despain presented the new course.

➤ **ENG 455 Literacy in the U.S. - *Approved Unanimously with Friendly Suggestions***

Discussion: Member Scott Despain presented the course action. Member suggested pulling up the attendance policy as an example for EC 468. Member made the friendly suggestion that in the attendance policy on the third line to read "each additional absence". Member indicated a rounding statement may be helpful, after members discussed the two decimal places provided in the grading scale are sufficient for rounding, making this a friendly suggestion.

➤ **HSS plans and sub-plans - *Approved Unanimously***

Discussion: Member Megan Cherry presented the curricula actions.

Discussion: Li Marcus provided the process map website and presented it to the committee as well as indicated this link will be sent to the committee members for their feedback. Li Marcus asked for feedback from all members about the formatting, language, and links. Li explained this will be the first wave of feedback and asked members to discuss within CUE, UCCC, and the Associate Deans to avoid overload of feedback from everyone at the same time from disparate groups.

Meeting adjourned at 1:33 pm

Respectfully submitted by Lexi Hergeth

**NORTH CAROLINA STATE UNIVERSITY
UNDERGRADUATE CURRICULUM ACTION FORM
Academic Minor**

DEPARTMENT(S):
_____ Health and Exercise Studies _____

TYPE OF PROPOSAL:
New Minor: _____
Revision to Minor: x
Discontinuation: _____

TITLE OF THE MINOR:
_____ Dance _____


PROPOSED EFFECTIVE DATE: August 2018 APPROVED EFFECTIVE DATE: _____

ATTACHMENTS INCLUDED:

1. Statement of Justification
2. Statement of Academic Minor Program Objectives
3. List of Courses constituting the Proposed Minor
4. Catalog Description of Proposed Minor
5. Administration of the Minor (Contact information for Administrator of the Minor)
6. Requirements for Admission and Completion of the Minor
7. Statement on Other Departments Likely to be Affected and Summary of Consultations with those Departments
8. *Optional:* Projected Resources and Enrollment

REQUIRED SIGNATURES:

OTHER REQUIRED SIGNATURES AS NEEDED:

 _____ 3/26/18
Head, Department/Program Date

 _____ 4/16/18
Chair, College Curriculum Committee Date

 _____ 4/17/18
College Dean Date

_____ Date
Chair, College Curriculum Committee

_____ Date
College Dean

_____ Date
Chair, University Courses & Curricula Committee

_____ Date
Dean, Division of Academic and Student Affairs (DASA)

1. Statement of Justification

HES proposes adding DAN 260 Hip Hop Dance (a new course) to the Dance Minor. It would serve as an additional elective in the "Practice/performance" category. Adding this course broadens students' technical options to fulfill the Minor. As both a vernacular and African diasporic form it helps to fulfill our mission of embracing all dance forms and decolonializing academic dance.

2. Statement of Academic Minor Program Objectives

A primary goal of the minor is to educate the student to be articulate in the visual and physical spheres of dance and to be able to write and to speak clearly about dance. The student should develop an ability to see his or her own art work within the context of the larger field of dance, and then in relation to general art aesthetics.

The minor is designed to avoid the polarization of the creative and performance aspects of dance on the one hand and the historical and theoretical aspects on the other. All students interested in and passionate about dance are encouraged to apply to the minor. No audition is required.

Student learning outcomes

At the completion of this minor, students will be able to

- Analyze and discuss dance in global and historical contexts.
- Apply concepts, methods, theories, and practices learned in the courses to situations outside of and in integration with other disciplines.
- Competently perform 2 different forms of dance at the intermediate level.
- Use a broad mastery of the cultural and economic environment of dance to create successful dance and dance-related ventures.

3. Current List of Courses constituting the Minor

Theory (6 hours):

Choose 2:

HESM 322 Dance and Society (3cr.)
HESM 324 Concert Dance History (3cr.)
HESM 326 Current Trends in Dance (3cr.)

Creative (4-6 hours):

Required:

HESM 320 Movement Improvisation (1cr.)

Choose 2 additional courses:

DAN 272 Dance Composition I (1cr.) (prereq. HESD 274)
DAN 498 Independent Study in Dance (1-3cr.) (prereq. DAN 272 or DAN 295)
HESM 328 Dance Composition II (2cr.) (prereq. DAN 272)
HESM 330 Introduction to Bartenieff Fundamentals and Laban Movement Analysis (2cr.)
HESM 332 Dance and Technology (2cr.)

Practice (4-5 hours):

Choose 2 courses in practice/performance:

HESD 227 African Dance (1cr.)
HESD 230 Horton Dance Technique (1cr.)
HESD 233 Clogging (1 cr.)
HESD 234 Country Dance (1 cr.)
HESD 240 Social Dance (1cr.)
HESD 263 Tap Dance (1cr.)
HESD 264 Ballet (1cr.)
HESD 273 Jazz Dance (1cr.)
HESD 274 Modern Dance I (1cr.)
DAN 210 Current Trends in Afrocentric and World Dance (1cr.) (prereq. Audition)
DAN 295 Problems of Dance Performance (2cr.) (prereq. Audition)

Choose 2 technique courses:

HESD 241 Social Dance II (1cr.) (prereq. HESD 240)
HESD 265 Ballet II (1cr.) (prereq. HESD 264)
HESD 275 Modern Dance II (1cr.) (prereq. HESD 274)

HESD 280 Jazz Dance II (1cr.) (prereq. HESD 273)

Capstone course (1 hour):

HESM 304 Dance Practicum (1cr.)

4. Proposed List of Courses constituting the Minor

Theory (6 hours):

Choose 2:

HESM 322 Dance and Society (3cr.)

HESM 324 Concert Dance History (3cr.)

HESM 326 Current Trends in Dance (3cr.)

Creative (4-6 hours):

Required:

HESM 320 Movement Improvisation (1cr.)

Choose 2 additional courses:

DAN 272 Dance Composition I (1cr.) (prereq. HESD 274)

DAN 498 Independent Study in Dance (1-3cr.) (prereq. DAN 272 or DAN 295)

HESM 328 Dance Composition II (2cr.) (prereq. DAN 272)

HESM 330 Introduction to Bartenieff Fundamentals and Laban Movement Analysis (2cr.)

HESM 332 Dance and Technology (2cr.)

Practice (4-5 hours):

Choose 2 courses in practice/performance:

HESD 227 African Dance (1cr.)

HESD 230 Horton Dance Technique (1cr.)

HESD 233 Clogging (1 cr.)

HESD 234 Country Dance (1 cr.)

HESD 240 Social Dance (1cr.)

HESD 263 Tap Dance (1cr.)

HESD 264 Ballet (1cr.)

HESD 273 Jazz Dance (1cr.)

HESD 274 Modern Dance I (1cr.)

DAN 260 Hip Hop Dance (1cr)

DAN 210 Current Trends in Afrocentric and World Dance (1cr.) (prereq. Audition)

DAN 295 Problems of Dance Performance (2cr.) (prereq. Audition)

Choose 2 technique courses:

HESD 241 Social Dance II (1cr.) (prereq. HESD 240)

HESD 265 Ballet II (1cr.) (prereq. HESD 264)

HESD 275 Modern Dance II (1cr.) (prereq. HESD 274)

HESD 280 Jazz Dance II (1cr.) (prereq. HESD 273)

Capstone course (1 hour):

HESM 304 Dance Practicum (1cr.)

5. Catalog Description of the Minor

The Department of Health and Exercise Studies offers a 16 credit hour Dance Minor that is designed for students who wish to delve deeper into dance studies in an intellectual, creative, and practical capacity to propel them forward in career, service, and artistry. The coursework is balanced between theory courses, creative inquiry, and technical proficiency. The student has the opportunity to select the specific courses which best fulfill his/her needs while maintaining an overall balance. A student in the dance minor may be preparing for graduate study or for work as a performer, choreographer, educator, or dance therapist. The dance minor also enhances students' studies as they prepare for careers and service as arts entrepreneurs or administrators, physical therapists, physicians, or in disciplines such as Africana studies, design, film, and engineering.

6. Administration of the Minor

Autumn Belk, Teaching Associate Professor, Dance Minor Coordinator, autumn_belk@ncsu.edu

7. Requirements for Completion of the Minor

The dance minor requires the completion of 16 credit hours.

Students must obtain a grade of "C-" or better in each of the required and elective courses.

Students may not take minor coursework on a credit only (pass/fail) or S/U basis.

Students must attain a minimum overall GPA of 2.0 in the minor.

The program coordinator will certify the minor prior to graduation.

A minimum of 12 of the 16 required credit hours must be completed at NC State.

8. Statement on Other Departments Likely to be Affected and Summary of Consultations with those Departments

DAN 260 is housed in the Music Department, as are the other DAN courses currently included in the Dance Minor. The result of our consultation follows:

Mar 19

Beth,

The Music Department has reviewed the request to include DAN 260 (Hip Hop Dance) as an elective in HES' Dance Minor and has unanimously endorsed its inclusion pending the course's final approval by UCCC.

The department is grateful for the opportunity to include the course in the minor.

Sincerely,

Daniel G. Monek, Ph.D.
Professor and Department Head
Music Department

NC STATE

Beth Wright Fath <ekwrigh2@ncsu.edu>

DAN 260 & Dance Minor

3 messages

Daniel Monek <dgmonek@ncsu.edu>
To: Beth Wright Fath <ekwrigh2@ncsu.edu>
Cc: Bret Smith <bhsmith6@ncsu.edu>

Mon, Mar 19, 2018 at 1:58 PM

Beth,

The Music Department has reviewed the request to include DAN 260 (Hip Hop Dance) as an elective in HES' Dance Minor and has unanimously endorsed its inclusion pending the course's final approval by UCCC.

The department is grateful for the opportunity to include the course in the minor.

Sincerely,

Daniel G. Monek, Ph.D.
Professor and Department Head
Music Department
(919) 515-1692
music.dasa.ncsu.edu

NC STATE

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Bret Smith <bhsmith6@ncsu.edu>
To: Daniel Monek <dgmonek@ncsu.edu>
Cc: Beth Wright Fath <ekwrigh2@ncsu.edu>

Mon, Mar 19, 2018 at 2:05 PM

Excellent!

Thanks!

\

[Quoted text hidden]

--
Bret H. Smith
Professor and Senior Associate Dean of University College

Division of Academic and Student Affairs
308 Park Shops
Raleigh, NC 27695

Office: 919.515.6605

Beth Wright Fath <ekwrigh2@ncsu.edu>
To: Daniel Monek <dgmonek@ncsu.edu>
Cc: Bret Smith <bhsmith6@ncsu.edu>

Mon, Mar 19, 2018 at 2:06 PM

Thanks, Dan. This s very exciting. I will bring it to our Faculty for approval this Friday.

Beth

[Quoted text hidden]

--
Beth Wright Fath, MFA, CMA
Department Head

3/26/2018

North Carolina State University Mail - DAN 260 & Dance Minor

Teaching Associate Professor
Department of Health and Exercise Studies

NC State University
2002 Carmichael Gymnasium
Raleigh, NC 27695-8111

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NC STATE

NC STATE UNIVERSITY

MEMORANDUM

Date: March 23, 2018

To: Mike Mullen
Vice Chancellor and Dean, Division of Academic and Student Affairs

From: Jay Levine
Head, Department of Marine, Earth & Atmospheric Sciences

Re: Revision of the Meteorology minor

Title and SIS code: Minor in Meteorology and 17MYM

List of Revisions and Reasons:

The gateway introductory courses in our BS in Meteorology recently changed. MEA 213 and MEA 214 Introduction to Atmospheric Sciences I & II are no longer offered. A new course, MEA 215 Introduction to Atmospheric Sciences has replaced them. This revision aligns the minor with our current course offerings in Meteorology.

Please see the minor information attached with the revision marked in red.

Impact of Revisions on Other Departments: None are expected.

Proposed Effective Date: May 2018

Meteorology (17MYM)

Description

The Department of Marine, Earth and Atmospheric Sciences offers a minor in Meteorology to majors in any field except meteorology. This program provides a means of recognition for students in related fields, especially Science and Engineering, who are interested in application of physical principles to the atmospheric environment.

Requirements

- Grades of 'C' or better in MA 141 and in PY 205 prior to admission to the minor.
- Successful completion of the program requires a 'C' or better in at least 15 credit hours to be taken as follows:

Required Courses (11 credit hours)

- [MEA 213 Introduction to Atmospheric Sciences I \(2 cr\)](#)
- [MEA 214 Introduction to Atmospheric Sciences II \(2 cr\)](#)
- [MEA 215 Introduction to Atmospheric Sciences \(4 cr\)](#)
- MEA 312 Atmospheric Thermodynamics (4 cr)
- MEA 421 Atmospheric Dynamics I (3 cr)

Elective Courses (4 credit hours)

- A minimum of 4 credit hours must be taken from among MEA courses in Atmospheric Sciences at the 300-level or higher.

Admissions and Certification of Minor

Students who plan to minor in Meteorology should contact the person listed below. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Person

Dr. Matt Parker
Department of Marine, Earth and Atmospheric Sciences
5149 Jordan Hall
919.513.4367
mdparker@ncsu.edu
SIS Code: 17MYM

SIGNATURE PAGE

RECOMMENDED BY:

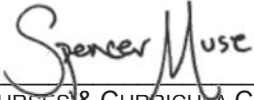


30 March 2018

HEAD, DEPARTMENT/PROGRAM

DATE

ENDORSED BY:



04/07/2018

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

DATE



4/10/18

COLLEGE DEAN

DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN OF UNDERGRADUATE ACADEMIC PROGRAMS

DATE

APPROVED EFFECTIVE DATE _____

**NORTH CAROLINA STATE UNIVERSITY
UNDERGRADUATE CURRICULUM ACTION FORM
Academic Minor**

DEPARTMENT(S):

Shelton Leadership Center/European Center in Prague/Administrative Oversight

TITLE OF THE MINOR:

Global Leadership and Team Decision-Making

TYPE OF PROPOSAL:

New Minor:

Revision to Minor:

Discontinuation:

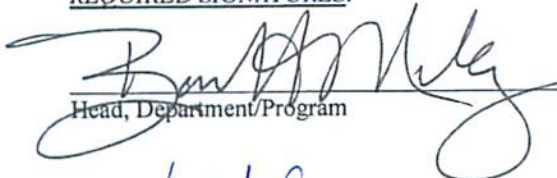
PROPOSED EFFECTIVE DATE: Fall 2019 APPROVED EFFECTIVE DATE: _____


ATTACHMENTS INCLUDED:

1. Statement of Justification
2. Statement of Academic Minor Program Objectives
3. List of Courses constituting the Proposed Minor
4. Catalog Description of Proposed Minor
5. Administration of the Minor (Contact information for Administrator of the Minor)
6. Requirements for Admission and Completion of the Minor
7. Statement on Other Departments Likely to be Affected and Summary of Consultations with those Departments
8. Optional: Projected Resources and Enrollment

REQUIRED SIGNATURES:

OTHER REQUIRED SIGNATURES AS NEEDED:

 _____
Head, Department/Program Date 03/09/2018

 _____
Chair, College Curriculum Committee Date 4/16/18

_____ Date

 _____
College Dean Date 4/17/18

_____ Date

_____ Date

Chair, University Courses & Curricula Committee

_____ Date

Dean, Division of Academic and Student Affairs (DASA)



College/Program: Division of Academic and Student Affairs – University College
Department: Shelton Leadership Center/European Center in Prague/Administrative Oversight
Title of Minor: Global Leadership and Team Decision-Making
CIP Discipline Code: SLC
SIS Plan Code:
Proposed effective date: Fall 2019

Justification Statement:

The General Shelton Leadership Center asks the consideration of NC State University Standing Committee on Courses and Curricula (UCCC) to approve the above proposal for a Minor on Global Leadership and Team Decision Making for undergraduates. The Minor was designed with the assistance of faculty and staff identifying a need to adhere to what numerous research studies stress as vital characteristics people need to understand and demonstrate as our workforce becomes more and more complex and global. These characteristics include: global and local perspective (mind-set), intercultural empathy, adaptability, cross-boundary partnering, self-awareness and assurance, and intercultural decision making (Ashbridge, 2008; Ghemawat, 2012; Hanna, 2012; Cseh, Davis, & Khilji, 2013; Chandwani, Agrawal, & Kedia, 2015; and Gholba & Dyaram, 2016). Employers continue to place emphasis on new graduates' need for written and oral communication, teamwork, ethical decision-making, critical thinking, and the ability to apply knowledge in realworld settings (Hart Research Associates, 2016). Providing opportunity for our students to experience different cultures while engaging in cross-cultural discussions first-hand over a period of time enhances the depth of understanding one can then transfer and apply into future situations when employed (Ashbridge, 2008; Ghemawat, 2012; Hanna, 2012).

The Shelton Leadership Center values its contribution to the academic sphere of the university with the establishment of four courses and cross-disciplinary minor. Students who have taken the SLC 250 course have shared how it has impacted their field of study stating,

“SLC 250 gave me the confidence to tackle ambiguity and various responsibilities in my life. It also inspired me to develop an after school program with the goal of developing more creative high school students who desire to enter STEM fields”

“Not only is [SLC 250] a pleasure to sit and learn in, it’s amazing how I am able to connect the concepts in real life. Since employers love how you think about daily tasks, SLC 250 whole-heartedly educates you on the matter. I, myself, got a job offer due to this.”

As the Shelton Leadership Center continues to seek to align with the university's strategic plan within student success and organizational improvements, we believe this proposal will strengthen the universities interdisciplinary scholarship to better address societal challenges and global engagement through focused strategic partnerships. Through the new direction of the European Center in Prague, the university has an opportunity to be at the forefront of a revolutionary approach to the way in which the academy educates students globally. Allowing students to immerse themselves for an extended amount of time in three European cultures over a semester, while being co-taught by a faculty member from NC State and partnering European university, provides our students an unparalleled experience from our peer institutions. Although, the academy has approved several leadership minors, one of them being in the Shelton Leadership Center, we strongly believe this minor will maximize a student's opportunity to study abroad by allowing them to immerse themselves

in three cultural communities, learn from multiple global perspectives on topics, practice topics being taught, and be able to communicate how their learning experiences have continued to develop them as global leaders with an emphasis on European and American perspectives. The 15-hr minor seeks to have the student take one course SLC 250 before or after their return abroad. Twelve credits will be taken as a cohort, with the first and last course being taught at the European Center in Prague. Two additional countries students will study in are Germany and the United Kingdom at NC State Partnering Universities.

To assist in expanding the integration of values-based leadership across the university under University College, SLC seeks to be a coordinating hub for a general education minor focusing on global leadership and team decision-making. To achieve this initiative, SLC has sought to collaborate with two colleges across campus that currently have courses approved in the Leadership: Cross-Disciplinary Perspectives minor that address the characteristics employers are seeking in employees from a global leadership and team perspective, as well as supporting the university's initiative to create opportunities for cross-discipline interactions between colleges and faculty. Currently a third course is in the process of being approved, MIE 430. Specifically, at this time, the three additional colleges associated with the minor will be College of Textiles, College of Natural Resources and Poole College of Management. The minor will have a capstone course, SLC 475 to enhance student's ability to articulate and apply their understanding of what it means to practice being a global minded leader today while seeking to be employed in their field of study following graduation. This course is in the process of being approved based on the approval of the minor.

NC State University's current minors (Leadership in Agriculture and Life Sciences and Fitness Leadership) and certificate programs (Leadership in Agriculture and Life Sciences and Leadership in the Public Sector) currently provide students with the opportunity to development themselves within their field of study on fundamental theories, practices and philosophies, as well as across disciplines. The Global Perspectives Certificate offers students a wonderful opportunity to gain a global perspective through both academic and co-curricular high impact experiences that tends to reflect their entire college experience. However, none of the current leadership minors or certificates, in general, offer an opportunity for students to experience multiple countries first hand over an extended period of time within one semester while completing the majority of a minor degree in a cohort format.

With the establishment of the European Center in Prague, this is an opportunity for the university to highlight its vision to make the Center a European "hub" for our students and revolutionize the way in which we educate them by developing a minor, *Global Leadership and Team Decision Making*. The establishment of this minor will assist in supporting the university's initiative to create cross-disciplinary opportunities and global-minded leaders, not only for students but faculty, as well. With a desire to develop strong global-minded leaders for tomorrow's future, NC State University has an opportunity to capitalize on providing students a broader understanding of global perspectives on leadership and team decision-making. This can be met with the minor on *Global Leadership and Team Decision-Making*.

Minor Description for posting in catalog and on website

The Global Leadership and Team Decision-Making minor is a 15-hour minor that is designed for students who seek to gain greater knowledge and understanding of leadership and team decision-making from a European global perspective in a cohort format. The coursework is composed of courses grounded in theory, inquiry, and application. The student will participate in a cohort of 12-15 for a semester abroad in the Czech Republic, United Kingdom and Germany. The student will be required to take SLC 250: Critical and Creative Decision-Making either prior to or following the study abroad experience to complete the 15-hr requirement (prior to departure preferred). The student in the minor may be preparing for graduate work or any field of study within the university.

Minor Objectives

A primary goal of the minor is to educate the student to be knowledgeable as a cross-disciplinary global-minded leader within whatever professional field he/she seeks beyond graduation. The student should develop an ability to see his or her own leadership competencies within the context of their academic field, and then in relation to working across disciplines and cultures.

The minor is designed to provide students with a broad understanding for how to work more collaboratively, creatively, and effectively with people from disciplines outside of their origination, and more importantly from other cultures. All students interested in studying abroad in Europe with the intention to study and enhance leadership and effective team work from a global perspective are encouraged to apply to the minor.

Student Learning Outcomes

At the completion of this minor, students will be able to

- Identify leadership theories across cultures and disciplines
- Assess how values and ethics influence leadership outcomes from a global perspective

- Compare and contrast leadership practices and strategies across disciplines
- Relate leadership theories and teamwork best practices to real-life situations
- Articulate the most appropriate teamwork strategies to implement in different situations
- Explain the differences between leadership and team strategies and theories across cultures and disciplines

Projected Enrollment

First year enrollment is projected at 12-15 students.

Resources Statement

Although the proposed minor requires the development of two new courses, every effort is being made to utilize existing courses to leverage campus resources. The budget for the study abroad program is self-supporting and will be established under the existing study abroad model where students subsidize program costs by paying a program fee, instead of regular on-campus tuition. This model makes the program more affordable for students and covers the costs associated with managing the Global Leadership & Team Decision Making Minor from an academic and logistical standpoint.

The tentative program fee for students is estimated to be \$11,500. This fee covers the following expenses: cost of instruction for 12 credit hours, accommodations throughout the overseas portion of the program, all transportation within Europe, cultural events and excursions, travel health insurance, faculty stipends and travel expenses. It does not include personal expenses, most meals or airfare between the United States and Europe. These additional fees to the student are similar to any other study abroad experience.

Partnering Universities with NC State:

University of Surrey (Guildford, United Kingdom): <https://partners.global.ncsu.edu/partners/82>

Reutlingen University (Reutlingen, Germany): <https://partners.global.ncsu.edu/partners/17>

Focusing on key global strategic partners allows NC State to facilitate multi-disciplinary collaboration and exchange opportunities to support meaningful interaction among students and faculty from both sides. Strategic partners provide the necessary infrastructure (staffing, administrative, teaching and research space) that enable faculty, staff and students to focus on instruction, research and engagement.

The European Center in Prague and Shelton Leadership Center Administrator of the Minor will work with NC State Colleges and the faculty on record to vet faculty visas who will co-teach the course overseas. The NC State Faculty members will be the faculty on record and will have authority of the design, delivery and desired student deliverables. NC State Faculty will receive a \$3,000.00 overage for their one-week overseas, as well as travel expenses. Partnering Faculty will receive similar compensation.

Emergency Response While Abroad:

The Study Abroad Office is available 24 hours a day, 365 days a year to assist students and faculty while on study abroad programs. Study Abroad will consult with members of the Study Abroad Emergency Response Team (SAERT), as needed, and connect the individual to appropriate resources.

Additional information: <https://studyabroad.ncsu.edu/emergency-assistance/>

Travel Insurance Policy:

All students participating in study abroad programs or other university-affiliated international travel are required to be enrolled in the GeoBlue international health insurance policy for the duration of their program. This policy is utilized by the entire UNC System and provides comprehensive, low-cost health insurance coverage.

Admissions Requirements

Students are required to meet with the contact person for the minor to discuss expectations established for the Global Leadership and Team Decision-Making minor, submit a form to university registrar's office and complete an application form through the European Center in Prague.

If the Minor has a corresponding Major list applicable Plan and Plan Code - N/A

List any Plans for which students in the plan are not eligible for the minor

N/A

Contact Information (name, title, email, location, t/p) of Minor Coordinator:

Debbie Reno Acker, Associate Director, direno@ncsu.edu, Hunt Library 4101, 919-513-0148; European Center in Prague for study abroad inquiry: Megan Winzeler, Associate Director, mmlandwe@ncsu.edu, 919-515-1574.

Minor Requirements –

SLC 250 Critical & Creative Decision Making Models, Faculty on Record, Dr. Debbie Acker (before/after study abroad)
FTM 484: Strategic Management and Decision Making in Textile, Faculty on Record, Dr. Helmut Hergeth (Prague)
MIE 430: Teamwork in Organizations, Faculty on Record, Richard Podurgal (Germany)
PRT 359: Leadership and Supervision in Recreation, Faculty on Record, Dr. Jason Bocarro (United Kingdom)
SLC 475: Capstone: Global Leadership and Team Decision-Making, Faculty on Record, Dr. Debbie Acker (virtually, first week in Prague during orientation and before first course starts); US; last week of semester before returning to the States, delivered in Prague)

List any restrictions for double-counting minor courses and major courses

Restrictions are left to the discretion of each college.

Indicate number of transfer courses allowed. None

List completion requirements (ex: total hours, overall GPA, etc)

- Completion of a minimum of 15 required credit hours
- A minimum overall GPA of 2.5 in the minor
- Students may not take minor coursework on a credit only (pass/fail) or S/U basis
- The program coordinator will certify the minor prior to graduation
- The minor must be completed no later than the final semester in which the student expects to graduate from his or her degree program. Paperwork for certification must be completed no later than during the registration period for the student's final semester at NC State.

Shelton Leadership Center Summary of Consultations

Re: Global Leadership and Team Decision Making Minor Proposal

During the development of the Minor, the following areas across campus have responded in support of the proposal being presented by the Shelton Leadership Center:

- Provost Office
- College of Natural Resources
- College of Textiles
- European Center in Prague
- Poole College of Management
- University College with the Global Perspectives Certificate

College of Humanities and Social Sciences presented concerns related to the proposal as it has been designed.

All communications are enclosed within this packet summarizing consultations.

The following information is the Shelton Leadership Center's response to the concerns shared by the College of Humanities and Social Sciences.

Academic goals/objectives/audience:

- Eliminating the word "global" from the proposed name of the minor precludes NC State's opportunity to expand sites beyond the European location if this format of educating our students enhances their ability to analyze, articulate and apply what it means to be a global minded leader and decision maker within this unique living-learning classroom experience that is multinational in context.
- Unlike other study abroad experiences, students will ultimately have completed a minor toward their educational goals, while immersing themselves in three cultural environments within one semester. Partnering with colleges across the university and international partnership universities provides students this unique opportunity with minimal additional expenses than it would completing the minor on campus at NC State.
- In the early stages of the proposal, the Shelton Leadership Center had a consultation with the Provost Office to address SACS, legal, and other potential concerns associated with this new way of proposing how NC State engages our students in learning. At the end of the consultation, there did not seem to present any concerns for moving forward with the development of the proposal.
- The minor also aligns with the university's strategic goals –
 - Enhance Student Success – "...inspire them to lead, serve, challenge, take responsibility, build problem-solving skills and engage with complex problems." **The minor will allow students to embark on a study abroad experience, move toward graduation requirements since the courses are NC State, while learning in an international**

context how to lead, serve, take responsibility, develop skills and engage in complex problems due to the framework of the course work delivery and assessments.

- Pursue Organizational Excellence – “...Achieving it requires constant attention, self-assessment, inclusion, and the courage to change and adapt.” **The minor allows students at a reasonable cost to learn from other cultures within multiple countries.**
- Engage Locally and Globally – “...expand beyond North Carolina’s borders and across the globe, challenging us to be locally responsive to the needs of our community and our state while globally engaging the grand challenges facing our international community.” **The minor allows students to experience foundational expertise of NC State’s Faculty and experts from other cultural backgrounds and perspectives.**
- Partnering universities are interested pursuing how their students can take the course with NC State students when at their university. This allows our students to not only learn from experts teaching the course from multiple cultural perspectives but also engaging with students for greater cultural awareness and understanding for application purposes. The intent of greater cultural understanding is to incorporate emersion experiences into the coursework allowing students to learn more about organizational culture and decision making.

Academic coursework:

- As mentioned in the proposal, faculty currently teaching the courses that have been selected to be a part of the minor have agreed to focus the discussions to more a generalized context outside of their field of study. The courses identified emphasize skill, methods, theory, and models that are necessary for any of our students to develop more marketable skillsets as employers are seeking, which is also mentioned in the proposal.
- Ninety-percent of the course work will be done within the study abroad experience. The one course that will be completed on campus in the United States has been approved through UCCC and CUE as an interdisciplinary option for students to take toward their general education requirements. The uniqueness of the minor is that it is all done abroad allowing students to learn within a living classroom in the contextual environment that they are actually studying.
- A consultation with the Provost Office was done at the early stages of the development of the proposal. SACS accreditation is not of concern based on the information referenced in the proposal that the NC State Faculty member is sole source of the development of the syllabus and will be the faculty on record. All courses will have been approved through University Course Curriculum Committee. The NC State Faculty member, along with other required personnel, will be active participants in vetting the partnering universities co-faculty member to assure NC State’s and SACS requirements of teaching faculty. The proposal also suggests NC State’s Faculty will work with the partnering university to establish the student deliverables and student assessments. The partnering universities identified already have an established Memorandum of Agreement with NC State University.

Demand/duplication:

- As mentioned in the previous section, 90% of the minor will be completed abroad in one semester. Approximately six weeks of the time abroad will be taught at the European Center in Prague – SLC 475 and FTM 484. The other two courses will be taught at NC State Partnering Universities. All courses will transfer as credit since all courses are NC State accredited with NC State Faculty as the faculty on record.
- If the format of this minor is successful, NC State's desire to continue expanding sites globally, will allow for concentrations within the minor to be developed, which allows continued expansion and breadth of student interest and capacity to study abroad while completing education requirements toward graduation.



Office of Global Engagement

global.ncsu.edu

Campus Box 7112
2 Watauga Club Drive
Raleigh, NC 27695-7112
P: 919.515.3201

Dear University Courses and Curriculum Committee,

Please accept this letter of support for the Global Leadership and Team Decision Making Minor on behalf of the Office of Global Engagement. Cross-cultural leadership and decision making skills are more important today than ever. The proposed minor is a unique and innovative program that would prepare NC State graduates for careers in a global economy by providing first-hand experiences throughout Europe.

With the newly expanded mission of the NC State European Center in Prague, we are poised to utilize the center as a hub for European scholarly engagement. The minor leverages key global strategic partnerships in the United Kingdom and Germany, allowing students to be fully supported and for faculty to develop significant research relationships with partners. The minor is a personification of NC State University's global strategic plan by enhancing international experiences for both students and faculty through focused partnership with leading institutions across the globe.

The partnership between the Shelton Leadership Center and the NC State European Center in Prague is an ideal way to give NC State students a high-impact, real-world experience they can carry throughout their careers.

Sincerely,

A handwritten signature in black ink, appearing to read "Bailian Li". The signature is fluid and cursive, with a large initial "B" and "L".

Dr. Bailian Li
Senior Vice Provost for Global Engagement

NC STATE

Deborah Acker <dlreno@ncsu.edu>

Re: Request: Global Leadership and Team Decision-Making Minor

1 message

Yulisa Lin <ylin7@ncsu.edu>

Wed, Mar 14, 2018 at 11:59 AM

To: Deborah Acker <debbie_acker@ncsu.edu>

Cc: Kasey Harris <kkharris@ncsu.edu>, Deborah Acker <dlreno@ncsu.edu>, Bret Smith <bhsmith6@ncsu.edu>, Megan Winzeler <mmlandwe@ncsu.edu>

Hi Debbie,

I hope this email finds you well. The Global Perspectives Certificate is pleased to support your proposal for a new Global Leadership and Team Decision Making minor at NC State. Find attached our official letter of support for your proposal. If you need any additional information or documentation from us, please don't hesitate to let me know.

Regards,
Yulisa

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Yulisa Lin

Coordinator, Global Perspectives Certificate (GPC) Program
NC State University
Division of Academic and Student Affairs
gpc.dasa.ncsu.edu

Doctoral Student, Educational Leadership, Policy, and Human Development
NC State University, College of Education

On Fri, Mar 2, 2018 at 5:03 PM, Deborah Acker <debbie_acker@ncsu.edu> wrote:

Good Afternoon,

With the establishment of the European Center in Prague, the Shelton Leadership Center believes there is an opportunity for the university to highlight its vision to make the Center a hub for our university and revolutionize the way in which NC State educates our students by developing a minor, Global Leadership and Team Decision Making. The establishment of this minor will continue to assist in supporting the university's initiative to create cross-disciplinary opportunities and global-minded leaders, not only for students but faculty, as well. With a desire to develop strong global-minded leaders for tomorrow's future, NC State University has an opportunity to capitalize on providing students a broader understanding of global perspectives on leadership and teamwork within organizations. This can be met with the minor on Global Leadership and Team Decision-Making.

With your having oversight of the Global Perspectives Certificate, we appreciate University College's willingness to consider reviewing the proposal and sharing with us any questions, concerns, etc. for how it has been proposed and where administratively it will be housed.

If each of you are in support of the current proposal, we greatly appreciate your willingness to send us letter(s)/note(s) in support that we may attach to the proposal as it moves through the university curriculum committees.

I have attached a file of the proposal for you to review. If at all possible, we appreciate your consideration to support this proposal and provide a letter within the next two weeks.

Sincerely,
Debbie

--

Dr. Debbie Reno Acker
Associate Director of Operations and Academic Programs
General Hugh Shelton Leadership Center
919-513-0150 (o)
sheltonleadership.ncsu.edu

NC State University
General Shelton Leadership Center
Campus Box 7133
Raleigh, NC 27695-7133

NC STATE

NC STATE

Deborah Acker <dlreno@ncsu.edu>

Re: Request: Global Leadership and Team Decision-Making Minor

1 message

Tamah Morant <tcmorant@ncsu.edu>

Wed, Mar 14, 2018 at 2:35 PM

To: Deborah Acker <debbie_acker@ncsu.edu>

Cc: Bradley Kirkman <blkirkma@ncsu.edu>, Deborah Acker <dlreno@ncsu.edu>, Bret Smith <bhsmith6@ncsu.edu>, Megan Winzeler <mmlandwe@ncsu.edu>

Deborah,

Thank you for sharing this information. We have reviewed the proposal and are supportive of the inclusion of the newly proposed course, MIE 430 Teamwork in Organizations.

Please let me know if you need anything more from me.

Tamah Morant

On Fri, Mar 2, 2018 at 4:58 PM, Deborah Acker <debbie_acker@ncsu.edu> wrote:

Dear Dr. Morant and Dr. Kirkman,

With the establishment of the European Center in Prague, the Shelton Leadership Center believes there is an opportunity for the university to highlight its vision to make the Center a hub for our university and revolutionize the way in which NC State educates our students by developing a minor, Global Leadership and Team Decision Making. The establishment of this minor will continue to assist in supporting the university's initiative to create cross-disciplinary opportunities and global-minded leaders, not only for students but faculty, as well. With a desire to develop strong global-minded leaders for tomorrow's future, NC State University has an opportunity to capitalize on providing students a broader understanding of global perspectives on leadership and teamwork within organizations. This can be met with the minor on Global Leadership and Team Decision-Making.

Poole College of Management Faculty member, Richard Pordugal, is working in conjunction with Dr. Kirkman on the establishment of a new course, MIE 430: Teamwork in Organizations, that will be developed for a semester course but will be a part of the proposed minor, noting adjustments for a global leadership aspect with content and assignments. With your having oversight of Poole College of Management and the Management, Innovation, and Entrepreneurship Department, we appreciate the college's willingness to consider reviewing the proposal and sharing with us any questions, concerns, etc. for how it has been proposed and where administratively it will be housed.

If each of you are in support of the current proposal, we greatly appreciate your willingness to send us letter(s)/note(s) in support that we may attach to the proposal as it moves through the university curriculum committees.

I have attached a file of the proposal for you to review. If at all possible, we appreciate your consideration to support this proposal and provide a letter within the next two weeks.

Sincerely,
Debbie

--

Dr. Debbie Reno Acker
Associate Director of Operations and Academic Programs
General Hugh Shelton Leadership Center
919-513-0150 (o)
sheltonleadership.ncsu.edu

NC State University
General Shelton Leadership Center
Campus Box 7133
Raleigh, NC 27695-7133

NC STATE

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Tamah Morant, PhD
Associate Dean of Undergraduate Programs
Teaching Professor of Economics
Poole College of Management

NC STATE

Deborah Acker <dlreno@ncsu.edu>

Re: Request: Global Leadership and Team Decision-Making Minor

1 message

Adrianna Kirkman <nagkirk@ncsu.edu>
To: Deborah Acker <debbie_acker@ncsu.edu>

Wed, Mar 28, 2018 at 10:06 AM

My apologies for not sending this forward. I've had some computer problems. My letter is below. I hope you can use it in the context of your document and attribute it to me if you would like to. I look forward to seeing your program at work.

Sincerely,

Adrianna Kirkman

March 21, 2018

Dr. Debbie Reno Acker
Assoc. Director of Operations and Academic Programs
General Hugh Shelton Leadership Center

Dear Dr. Acker:

Thank you for this opportunity to review the plans for the new program being developed by the Shelton Leadership Center for establishment in the European Center in Prague. The development of the program will result in a minor called Global Leadership and Team Decision- Making.

The courses that will be offered by the program are developed or planned by faculty in the partner programs/courses in several NCSU departments. For instance, one of the faculty currently has a course that will serve in the program. However, in new places there are greater opportunities for those student to see enlightening modifications in their learning that feature the different perspectives which the students have in a new environment.

Secondly, the program outline will need to include activities and class/lab work that involves interdisciplinary subjects, and that provide new experiences for the students.

In addition, the overarching goals include building leadership and other decision-making skills in preparation for the demands and working with a global workforce.

The results of these activities and goals are to encourage students to learn more about themselves as well others in the program, in the countries visited, and about society as it might be in various circumstances.

I strongly support the plan for this Global Leadership and Team Decision-Making Minor.

Sincerely,

Adrianna Kirkman
Associate Dean, College of Natural Resources
NC State University Raleigh, NC 27695-7133

NC STATE

Deborah Acker <dlreno@ncsu.edu>

Re: Fwd: Re: Consult Request: Global Leadership and Team Decision Making Minor

1 message

jrust <jrust@ncsu.edu>

Sat, Mar 17, 2018 at 6:55 PM

To: Debbie Acker <dlreno@ncsu.edu>

Cc: Helmut H Hergeth <hhergeth@ncsu.edu>, Abdel-Fattah Seyam <aseyam@ncsu.edu>

Hello Debbie,

The College of Textiles thinks the program is a good one and we support it. However, Dr. Hergeth's DH is concerned about the fact that Helmut hasn't submitted a travel authorization for next August. You can read below.

Please let me know if I can help in any other way.

Happy St. Patrick's Day,

Jon

Sent from my Verizon, Samsung Galaxy smartphone

Re: Request: Consult for Global Leadership and Team Decision Making Minor

1 message

Deanna Dannels <dpdannel@ncsu.edu>

Fri, Mar 16, 2018 at 3:48 PM

To: Deborah Acker <debbie_acker@ncsu.edu>

Cc: Blair Kelley <blmkelley@ncsu.edu>, Deborah Acker <dlreno@ncsu.edu>, Bret Smith <bhsmith6@ncsu.edu>, Megan Winzeler <mmlandwe@ncsu.edu>

Hi Debbie--

Thank you for reaching out and requesting consultation with our college on the minor on Global Leadership and Team Decision Making. So you are aware, I asked Interdisciplinary Studies, Communication, and Political Science to provide feedback given those are the disciplines with relevant areas of expertise. Below is a compilation of that feedback. As it stands, this seems like a wonderful opportunity for students to study abroad and to focus their time abroad in a thematic, academically engaged manner. This has great potential to be an innovative, academically enriching, and intellectually coherent opportunity. Yet in its current form, we are unable to support the minor due to key questions about academic objectives, academic coursework, and duplication/demand.

I hope you can hear this feedback in the way we intend it-- to provide feedback focused on enhancing students' learning (bottom line). We are not trying to be difficult, nor are we picking on this particular program specifically; we also hold our own degree programs/proposals to extremely high standards related to the academic principles driving student learning outcomes/program design/curricular development. We would be remiss if we did not do the same for other programs.

Academic goals/objectives/audience:

- The minor's name is misleading because it does not seem to deal with global leadership and decision making strategies. Its actual focus is "Leadership and Team Decision-Making in Europe," and does not address leadership, etc. in non-European countries.
- The course requirements may dampen student interests in pursuing the minor. FTM 484 studies management and decision making in Textiles while PRT 359 teaches students about leadership in Recreation. I am not sure how appealing this minor would be to students who are not majoring in Textiles and/or Recreation. The curriculum seems to predetermine a narrow audience.
- The proposal claims to be a general education interdisciplinary minor but it simply is not. Two of the four courses are discipline specific, at minimum; the other management course could be seen as more interdisciplinary given "organizations" can be broadly defined or it could be a management course. The student learning outcomes are more general, but there's no evidence students will get instruction necessary to meet those student learning outcomes with the current required courses.

Academic coursework:

- It is unclear how the leadership courses in College of Textiles, College of Natural Resources and Poole College of Management are interrelated and add value to one another. The current proposal is lacking language that illuminates those interdisciplinary connections. It feels like they are in the minor out of convenience, without apparent intellectual or academic principles as a foundation for students' learning.
- The minor does not place leadership and team decision making within a broad context that is important for students' learning in other countries. Specifically, it does not provide students with an understanding of the political, cultural and economic environments in the Czech Republic, Germany, the United Kingdom and the European Union. It would be instructive and substantively beneficial for students to understand how external forces in the political arena, in the economic system and culture are likely to influence leadership and group decision making. Courses like PS 341 (European Politics) provides this foundational information. PS 341 has been offered in the study abroad program in Lilles, France. I am sure that there are other courses like PS 341 that could be included as required or elective courses in the minor.
- The minor does not incorporate any foundational expertise on intercultural communication, teamwork, or decision making. These are robust subfields in communication and these foundations could benefit students' learning as they work in another country (COM 202, 392, or 402 might be beneficial to students as required or elective courses). Since not all courses required for the minor are abroad, it seems possible to incorporate these as NC State electives, or to work with disciplines to assess possibilities abroad. Or, perhaps there's a possibility of cross-listing a course and involving COM faculty with this expertise?
- How will faculty team teach with faculty at institutions abroad? How can our faculty spend only one week abroad yet our faculty will be responsible for design, delivery, and desired student deliverable? Who assesses the students?
- Can we have an NC State instructor of record who only spends 1 week with the students? This seems like a potential SACS issue. Not sure if it is but it seems like it could be.

Demand/duplication:

- There is little justification for the value of having a multi-sited course (Reutlingen, Surrey, Prague) beyond the first two being strategic partners for NC State. There needs a clearer articulation of why NC State European Center in Prague is not the main space for the minor?
- Lacking clear data on the type of demand there is at present, or in the future, for such a minor, especially given the required courses focus on limited disciplines.
- Could elements of this proposed minor (particularly its international footprint) be incorporated into extant programs, including the Shelton Center's current minor? Seems like there is possible overlap/cannibalization of current minor at Shelton Center, Leadership: Cross Disciplinary Perspectives. Why not build out a study abroad option with the current minor instead of creating

another degree? What prevents yet another minor focused on global leadership and conflict management? Global leadership and negotiation? Etc. The point here is that there are many, many professional competencies that can be connected to leadership in multiple cultures/disciplines. Yet it seems starting down that path (the path that leads to a proliferation of minors) moves towards too much specialization. You aren't down that path, yet, but it just seems that the current minor might be able to handle this sub specialization/study abroad focus. On principle, the university has been clear to focus on concentrations/options within current degrees rather than creating new, nuanced degrees. Why is this necessary in addition to what already exists in the SLC or in study abroad?

Again, thank you for the opportunity to provide feedback. Please let us know if you would like to have further discussions and I am happy to connect you to the appropriate people. One option might be to have a couple faculty meet with you/your team to explore these questions/concerns and to see what potential collaborations could exist with a revised proposal. Or I'm happy to start with having you meet with someone on my team (at the college level) to explore possibilities, before working at the department level.

Best,
Deanna

On Fri, Mar 2, 2018 at 4:44 PM, Deborah Acker <debbie_acker@ncsu.edu> wrote:

Dear Dr. Dannels and Dr. Kelley,

With the establishment of the European Center in Prague, the Shelton Leadership Center believes there is an opportunity for the university to highlight its vision to make the Center a hub for our university and revolutionize the way in which NC State educates our students by developing a minor, Global Leadership and Team Decision Making. The establishment of this minor will continue to assist in supporting the university's initiative to create cross-disciplinary opportunities and global-minded leaders, not only for students but faculty, as well. With a desire to develop strong global-minded leaders for tomorrow's future, NC State University has an opportunity to capitalize on providing students a broader understanding of global perspectives on leadership and teamwork within organizations. This can be met with the minor on Global Leadership and Team Decision-Making.

Having oversight of Interdisciplinary and International Studies, we appreciate the College of Humanities and Social Sciences willingness to consider reviewing the proposal and sharing with us any questions, concerns, etc. for how it has been proposed and where administratively it will be housed.

If you are in support of the current proposal, we greatly appreciate your willingness to send us a letter/note in support that we may attach to the proposal as it moves through the university curriculum committees.

I have attached a file of the proposal for you to review. If at all possible, we appreciate your consideration to support this proposal and provide a letter within the next two weeks.

Sincerely,
Debbie

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Dr. Debbie Reno Acker
Associate Director of Operations and Academic Programs
General Hugh Shelton Leadership Center
919-513-0150 (o)
sheltonleadership.ncsu.edu

NC State University
General Shelton Leadership Center
Campus Box 7133
Raleigh, NC 27695-7133

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Deanna P. Dannels
Associate Dean of Academic Affairs
Professor of Communication
College of Humanities and Social Sciences
North Carolina State University
Editor, *Communication Education*
106C Caldwell Hall, Campus Box 8101
Raleigh, NC 27695
phone: (919) 515-3490; fax: (919) 515-9419

Undergraduate Minor Revision Memorandum

To: Dr. Michael Mullen
Vice Chancellor and Dean of the Division of Academic and Student Affairs

From: Dr. David A. Crouse
Undergraduate Teaching Coordinator

Date: 14 March 2018

Re: Revisions to the Agroecology Undergraduate Minor

The Department of Crop and Soil Sciences would like to propose several changes to the Agroecology Undergraduate Minor. These changes create consistency in admission and program requirements for all four minors in the department. The proposed final wording is as follows:

Requirements

A minimum of 17 hours is required for the minor in Crop Science. Students are required to complete 11 credits of required courses and a minimum of 6 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Contact Person

Undergraduate Programs Office
Department of Crop & Soil Sciences
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

The original minor, revised minor showing edits and revised minor with final language are attached to this memo.

Agroecology (11AGECM)

Description

The [Agroecology](#) minor [in Agroecology](#) is open to all [baccalaureate-undergraduate](#) students [at NC State University](#). It is designed for students majoring in the biological sciences, agronomy, horticulture and animal sciences, but will be of interest to a wide array of students as agriculture has broad implications in the life sciences, economics, and sociology. Agroecology instruction provides students a fundamental understanding of agriculture and its interaction with natural and social systems. Students selecting the Agroecology minor will gain an understanding of modern production agriculture from an ecological and sociological perspective, obtain new skills in analyzing agricultural systems, and the knowledge to design a plan for change. This knowledge will improve a student's ability to work with agricultural professionals to implement a system that meets ecological and social needs while remaining profitable for farmers.

Requirements

- ~~Completion of a minimum of 17 credit hours; 11 required credits and 6 elective credits.~~
- ~~Must receive a minimum grade of "C" in all courses counted for the minor.~~

A minimum of 17 hours is required for the minor in Agroecology. Students are required to complete 11 credits of required courses and a minimum of 6 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Required Courses (11 credit hours)

- PB/AEC 360 Introduction to Ecology (4 cr)
- CS 230 Introduction to Agroecology (3 cr)
- CS 430 Advanced Agroecology (4 cr)

Elective Courses (minimum of 6 credit hours)

Choose 1 course from at least two different groups

Group 1: Ecology and Agricultural Production

- ANS 150 Introduction to Animal Science (4 cr)
- AES 323 Water Management (3 cr)
- BAE 442 Systems Approach to Agricultural and Environmental Issues (3 cr)
- PB 200 Plant Life (4 cr)
- PB 345 Economic Botany (3 cr)
- PB 250 Plant Biology (4 cr)
- CS 213 Crop Science / CS 214 Crop Science Laboratory (4 cr)
- CS 411 Crop Ecology (3 cr)
- CS 415 Integrated Pest Management (3 cr)
- ENT 212 Basic Entomology (1 cr)
- ENT 401 Honey Bee Biology and Management (3 cr)
- ENT 425 General Entomology (3 cr)
- FW 221 Conservation of Natural Resources (3 cr)
- FOR 260 Forest Ecology (3 cr)
- HS 432 Introduction to Permaculture (3 cr)
- NR 300 Natural Resource Measurements (4 cr)
- NR 406 Conservation of Biological Diversity (3 cr)
- SSC 200 Soil Science (3 cr)
- SSC 201 Soil Science Laboratory (1 cr)

Group 2: Social Science

- HI 340 Perspectives in Agricultural History (3 cr)

- IDS 201 Environmental Ethics (3 cr)
- STS 303 Humans and the Environment (3 cr)
- SOC 241 Sociology of Agriculture and Rural Societies (3 cr)
- SOC 450 Environmental Sociology (3 cr)

Group 3: Economics

- ARE 309 Environmental Law and Economic Policy (3 cr)
- ARE 336 Environmental Economics (3 cr)
- ARE 433 US Agricultural Policy (3 cr)

Admissions

Students wishing to complete an academic minor in Agroecology must complete the Application for Agroecology Minor form available from the minor program administrator listed below or a form can be emailed upon request. Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State. A minor advisor will be assigned to all students interested in completing the Agroecology minor. Students enrolled in the minor must consult with their minor advisors during each registration period.

Certification

As the student nears completion of the minor, the student's minor advisor will submit the student's minor coursework and a recommendation for certification of the minor to the program administrator as listed below. The program administrator will verify if the requirements of the minor have been fulfilled. The signed minor form will be submitted to the Academic Programs Office in the College of Agriculture and Life Sciences by the department head and recorded on the student's official transcript. Certification must be submitted no later than the registration period for the student's final semester at NC State. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should contact the Crop and Soil Sciences Undergraduate Programs Office for certification of the minor.

Contact Person

Undergraduate Programs Office
 Crop & Soil Sciences Department
 2234 Williams Hall
 Campus Box 7620
 919-515-5820
cropsoil-undergraduate-office@ncsu.edu

SIS Code: 11AGECM

Agroecology (11AGECM)

Description

The minor in Agroecology is open to all undergraduate students at NC State University. It is designed for students majoring in the biological sciences, agronomy, horticulture and animal sciences, but will be of interest to a wide array of students as agriculture has broad implications in the life sciences, economics, and sociology. Agroecology instruction provides students a fundamental understanding of agriculture and its interaction with natural and social systems. Students selecting the Agroecology minor will gain an understanding of modern production agriculture from an ecological and sociological perspective, obtain new skills in analyzing agricultural systems, and the knowledge to design a plan for change. This knowledge will improve a student's ability to work with agricultural professionals to implement a system that meets ecological and social needs while remaining profitable for farmers.

Requirements

A minimum of 17 hours is required for the minor in Agroecology. Students are required to complete 11 credits of required courses and a minimum of 6 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Required Courses (11 credit hours)

- PB/AEC 360 Introduction to Ecology (4 cr)
- CS 230 Introduction to Agroecology (3 cr)
- CS 430 Advanced Agroecology (4 cr)

Elective Courses (minimum of 6 credit hours)

Choose 1 course from at least two different groups

Group I: Ecology and Agricultural Production

- ANS 150 Introduction to Animal Science (4 cr)
- AES 323 Water Management (3 cr)
- BAE 442 Systems Approach to Agricultural and Environmental Issues (3 cr)
- PB 200 Plant Life (4 cr)
- PB 345 Economic Botany (3 cr)
- PB 250 Plant Biology (4 cr)
- CS 213 Crop Science / CS 214 Crop Science Laboratory (4 cr)
- CS 411 Crop Ecology (3 cr)
- CS 415 Integrated Pest Management (3 cr)
- ENT 212 Basic Entomology (1 cr)
- ENT 401 Honey Bee Biology and Management (3 cr)
- ENT 425 General Entomology (3 cr)
- FW 221 Conservation of Natural Resources (3 cr)
- FOR 260 Forest Ecology (3 cr)
- HS 432 Introduction to Permaculture (3 cr)
- NR 300 Natural Resource Measurements (4 cr)
- NR 406 Conservation of Biological Diversity (3 cr)
- SSC 200 Soil Science (3 cr)
- SSC 201 Soil Science Laboratory (1 cr)

Group 2: Social Science

- HI 340 Perspectives in Agricultural History (3 cr)
- IDS 201 Environmental Ethics (3 cr)
- STS 303 Humans and the Environment (3 cr)
- SOC 241 Sociology of Agriculture and Rural Societies (3 cr)
- SOC 450 Environmental Sociology (3 cr)

Group 3: Economics

- ARE 309 Environmental Law and Economic Policy (3 cr)
- ARE 336 Environmental Economics (3 cr)
- ARE 433 US Agricultural Policy (3 cr)

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State. A minor advisor will be assigned to all students interested in completing the Agroecology minor. Students enrolled in the minor must consult with their minor advisor during each registration period.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should contact the Crop and Soil Sciences Undergraduate Programs Office for certification of the minor.

Contact Person

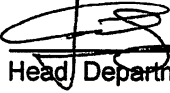
Undergraduate Programs Office
Crop & Soil Sciences Department
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

SIS Code: 11AGECM

SIGNATURE PAGE

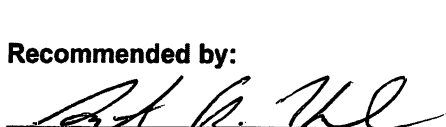
COURSE ACTION for Revision to Undergraduate Minor in Agroecology

Recommended by:

 3-19-18

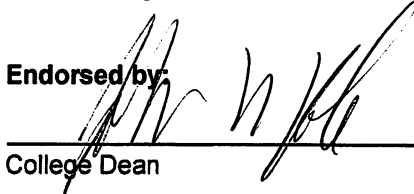
Head, Department of Crop and Soil Sciences Date

Recommended by:

 4/6/18

Chair, College Curriculum Committee Date

Endorsed by:

 4/6/18

College Dean Date

Approved by:

Chair, University Courses & Curricula Committee Date

Chair, Council on Undergraduate Education Date

Dean, Division of Academic and Student Affairs (DASA) Date

Undergraduate Minor Revision Memorandum

To: Dr. Michael Mullen
Vice Chancellor and Dean of the Division of Academic and Student Affairs

From: Dr. David A. Crouse
Undergraduate Teaching Coordinator

Date: 14 March 2018

Re: Revisions to the Crop Science Undergraduate Minor

The Department of Crop and Soil Sciences would like to propose several changes to the Crop Science Undergraduate Minor. These changes create consistency in admission and program requirements for all four minors in the department. In addition, the 6 credit hours of restricted electives at the 300 or 400 level have been removed. The proposed final wording is as follows:

Requirements

A minimum of 17 hours is required for the minor in Crop Science. Students are required to complete 4 credits of required courses and a minimum of 13 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Contact Person

Undergraduate Programs Office
Department of Crop & Soil Sciences
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

The original minor, revised minor showing edits and revised minor with final language are attached to this memo.

Crop Science (11CSM)

Description

The ~~Department of Crop and Soil Sciences offers a~~ minor in Crop Science ~~to baccalaureate degree~~ is offered to all undergraduate students at NC State University, with the exception of those enrolled in the Plant & Soil Science major. This minor provides a basic understanding of the requirements for successful field crop production and the role crop species and management practices play in a broad spectrum of sustainable agricultural enterprises.

A course selection option permits a student to focus on the particular aspect of Crop Science that complements the student's major and career plans. The minor in Crop Science is designed to:

1. Provide a strong background in Crop Science to the variety of disciplines which interact in some way with field crop production;
2. Clarify the role crop species and rotational sequences play in agricultural enterprises both in the United States and globally to increase our quality of life; and
3. Identify strategies either in use or being researched to increase the compatibility of crop species with their environment to achieve yield stability, suitable quality of product, and sustainability of the production enterprise.

Requirements

~~A total of 16 hours of coursework is required, and students must receive a minimum grade of 'C' in each course selected. A course selection option permits a student to focus on the particular aspect of Crop Science, which most fully complements the student's interests or career goals. A minimum of 17 hours is required for the minor in Crop Science. Students are required to complete 4 credits of required courses and a minimum of 13 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.~~

Required Courses (4 credit hours)

- CS 213 Crop Science (3 cr)
- CS 214 Crop Science Laboratory (1 cr)

Elective Courses (minimum of 13 credit hours)

~~(Minimum of 12 credit hours; at least 6 credit hours must be at the 300 or 400 level)~~

- CS 200 Introduction to Turf Management (4cr)
- CS 211 Plant Genetics* (3cr)
- CS 216 Oil Seed Crop Production (3 cr)
- CS 218 Cereal Grain Crop Production (2 cr)
- CS 224 Seeds, Biotechnology, & Societies (3 cr)
- CS 230 Introduction to Agroecology (3cr)
- CS 312 Grassland Management for Natural Resources Conservation (3cr)
- CS 411 Environmental Aspects of Crop Production (3cr)
- CS 413 Plant Breeding (2cr)
- CS 414 Weed Science (4cr)
- CS 415 Integrated Pest Management (3cr)
- CS 424 Seed Physiology (3cr)
- CS 430 Advanced Agroecology (4cr)
- CS 440 Geographic Information Systems for Production Agriculture (3cr)
- CS 495 (var cr)

*If you have successfully completed ANS (HS) 215 or GN 311 prior to enrolling in the Crop Science Minor, you may not receive credit for CS 211 towards the Crop Science Minor. You must select other courses from the elective list.

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the [Crop and Soil Sciences Undergraduate Programs Office Assistant, Joan Huertas](#), to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should [contact the Crop and Soil Sciences Undergraduate Programs Office see Joan Huertas](#) for certification of the minor.

Contact Person

Undergraduate Programs Office
Crop & Soil Sciences Department
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

SIS code: 11CSM

Crop Science (11CSM)

Description

The minor in Crop Science is offered to all undergraduate students at NC State University, with the exception of those enrolled in the Plant & Soil Science major. This minor provides a basic understanding of the requirements for successful field crop production and the role crop species and management practices play in a broad spectrum of sustainable agricultural enterprises.

A course selection option permits a student to focus on the particular aspect of Crop Science that complements the student's major and career plans. The minor in Crop Science is designed to:

1. Provide a strong background in Crop Science to the variety of disciplines which interact in some way with field crop production;
2. Clarify the role crop species and rotational sequences play in agricultural enterprises both in the United States and globally to increase our quality of life; and
3. Identify strategies either in use or being researched to increase the compatibility of crop species with their environment to achieve yield stability, suitable quality of product, and sustainability of the production enterprise.

Requirements

A minimum of 17 hours is required for the minor in Crop Science. Students are required to complete 4 credits of required courses and a minimum of 13 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Required Courses (4 credit hours)

- CS 213 Crop Science (3 cr)
- CS 214 Crop Science Laboratory (1 cr)

Elective Courses (minimum of 13 credit hours)

- CS 200 Introduction to Turf Management (4cr)
- CS 211 Plant Genetics* (3cr)
- CS 216 Oil Seed Crop Production (3 cr)
- CS 218 Cereal Grain Crop Production (2 cr)
- CS 224 Seeds, Biotechnology, & Societies (3 cr)
- CS 230 Introduction to Agroecology (3cr)
- CS 312 Grassland Management for Natural Resources Conservation (3cr)
- CS 411 Environmental Aspects of Crop Production (3cr)
- CS 413 Plant Breeding (2cr)
- CS 414 Weed Science (4cr)
- CS 415 Integrated Pest Management (3cr)
- CS 424 Seed Physiology (3cr)
- CS 430 Advanced Agroecology (4cr)
- CS 440 Geographic Information Systems for Production Agriculture (3cr)
- CS 495 (var cr)

*If you have successfully completed ANS (HS) 215 or GN 311 prior to enrolling in the Crop Science Minor, you may not receive credit for CS 211 towards the Crop Science Minor. You must select other courses from the elective list.

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should contact the Crop and Soil Sciences Undergraduate Programs Office for certification of the minor.

Contact Person

Undergraduate Programs Office
Crop & Soil Sciences Department
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

SIS code: 11CSM

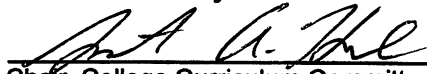
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COURSE ACTION for Revision to Undergraduate Minor in Crop Science

Recommended by:


Head, Department of Crop and Soil Sciences Date 3-19-18

Recommended by:


Chair, College Curriculum Committee Date 3/6/18

Endorsed by:


College Dean Date 4/6/18

Approved by:

Chair, University Courses & Curricula Committee Date

Chair, Council on Undergraduate Education Date

Dean, Division of Academic and Student Affairs (DASA) Date

Undergraduate Minor Revision Memorandum

To: Dr. Michael Mullen
Vice Chancellor and Dean of the Division of Academic and Student Affairs

From: Dr. David A. Crouse
Undergraduate Teaching Coordinator

Date: 14 March 2018

Re: Revisions to the Soil Science Undergraduate Minor

The Department of Crop and Soil Sciences would like to propose several changes to the Soil Science Undergraduate Minor. These changes create consistency in admission and program requirements for all four minors in the department. The proposed final wording is as follows:

Requirements

A minimum of 17 hours is required for the minor in Crop Science. Students are required to complete 4 credits of required courses and a minimum of 13 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Contact Person

Undergraduate Programs Office
Department of Crop & Soil Sciences
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

The original minor, revised minor showing edits and revised minor with final language are attached to this memo.

Soil Science Minor (11SSM)

Description

The minor in Soil Science is offered to [all undergraduate students at NC State University who](#) desireing a strong knowledge of the principles of Soil Science to complement their major. It is intended to strengthen the understanding of basic physical, chemical, and microbiological soil properties that would be relevant to a student's particular land management interest. These interests may include (but are not limited to) Forestry, Geology, Natural Resources, Environmental Science, Plant and Soil Sciences, Landscape Architecture, Horticulture, Biological and Agricultural Engineering, Agricultural Business Management, or Agricultural Education. ~~Four (4) hours of required courses and thirteen (13) hours of restricted electives are necessary to complete the minor.~~

Requirements

A minimum of 17 hours is required for the minor in Soil Science. Students are required to complete 4 credits of required courses and [a minimum of 13 credits of restricted elective courses](#). ~~Students must maintain a grade of "C-" or better in each course used toward the minor.~~ [A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.](#)

Required Courses [\(4 credit hours\)](#)

- SSC 200 Soil Science (3 cr)
- SSC 201 Soil Science Lab (1 cr)

Restricted Elective Courses [\(minimum of 13 credit hours\)](#)

- AES 323 Water Management (3 cr)
- SSC 332 Environmental Soil Microbiology (3 cr)
- SSC 341 Soil Fertility and Fertilizers (3 cr)
- SSC 342 Soil Fertility Laboratory (1 cr)
- SSC 421 Role of Soils in Environmental Management (3 cr)
- SSC 427 Biological Approaches to Sustainable Soil Systems (3 cr)
- SSC 428 Service-Learning in Urban Agriculture Systems (1 cr)
- SSC 440 Geographic Information Systems (GIS) in Soil Science and Agriculture (3 cr)
- SSC 442 Soil & Environmental Biogeochemistry (3 cr)
- SSC 452 Soil Classification (4 cr)
- SSC 455 Soils, Environmental Quality and Global Challenges (3 cr)
- SSC 461 Soil Physical Properties and Plant Growth (3 cr)
- SSC 462 Soil-Crop Management Systems (3 cr)
- SSC 470 Wetland Soils (3 cr)
- SSC 495 (var cr)

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the [Crop and Soil Sciences Undergraduate Programs Office Assistant, Joan Huertas](#), to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should [contact the Crop and Soil Sciences Undergraduate Programs Office](#) see [Joan Huertas](#) for certification of the minor.

Contact Person

Undergraduate Programs Office
Crop & Soil Sciences Department

2234 Williams Hall

Campus Box 7620

919-515-5820

cropsoil-undergraduate-office@ncsu.edu

Soil Science Minor (11SSM)

Description

The minor in Soil Science is offered to all undergraduate students at NC State University who desire a strong knowledge of the principles of Soil Science to complement their major. It is intended to strengthen the understanding of basic physical, chemical, and microbiological soil properties that would be relevant to a student's particular land management interest. These interests may include (but are not limited to) Forestry, Geology, Natural Resources, Environmental Science, Plant and Soil Sciences, Landscape Architecture, Horticulture, Biological and Agricultural Engineering, Agricultural Business Management, or Agricultural Education.

Requirements

A minimum of 17 hours is required for the minor in Soil Science. Students are required to complete 4 credits of required courses and a minimum of 13 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Required Courses (4 credit hours)

- SSC 200 Soil Science (3 cr)
- SSC 201 Soil Science Lab (1 cr)

Restricted Elective Courses (minimum of 13 credit hours)

- AES 323 Water Management (3 cr)
- SSC 332 Environmental Soil Microbiology (3 cr)
- SSC 341 Soil Fertility and Fertilizers (3 cr)
- SSC 342 Soil Fertility Laboratory (1 cr)
- SSC 421 Role of Soils in Environmental Management (3 cr)
- SSC 427 Biological Approaches to Sustainable Soil Systems (3 cr)
- SSC 428 Service-Learning in Urban Agriculture Systems (1 cr)
- SSC 440 Geographic Information Systems (GIS) in Soil Science and Agriculture (3 cr)
- SSC 442 Soil & Environmental Biogeochemistry (3 cr)
- SSC 452 Soil Classification (4 cr)
- SSC 455 Soils, Environmental Quality and Global Challenges (3 cr)
- SSC 461 Soil Physical Properties and Plant Growth (3 cr)
- SSC 462 Soil-Crop Management Systems (3 cr)
- SSC 470 Wetland Soils (3 cr)
- SSC 495 (var cr)

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should contact the Crop and Soil Sciences Undergraduate Programs Office for certification of the minor.

Contact Person

Undergraduate Programs Office
Crop & Soil Sciences Department

2234 Williams Hall

Campus Box 7620

919-515-5820

cropsoil-undergraduate-office@ncsu.edu

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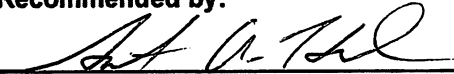
COURSE ACTION for Revision to Undergraduate Minor in Soil Science

Recommended by:

 3-19-18

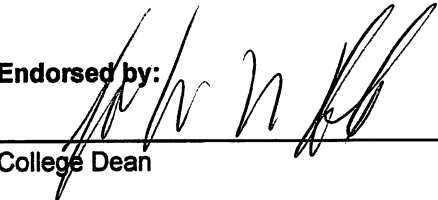
Head, Department of Crop and Soil Sciences Date

Recommended by:

 4/6/18

Chair, College Curriculum Committee Date

Endorsed by:

 4/6/18

College Dean Date

Approved by:

Chair, University Courses & Curricula Committee Date

Chair, Council on Undergraduate Education Date

Dean, Division of Academic and Student Affairs (DASA) Date

Undergraduate Minor Revision Memorandum

To: Dr. Michael Mullen
Vice Chancellor and Dean of the Division of Academic and Student Affairs

From: Dr. David A. Crouse
Undergraduate Teaching Coordinator

Date: 14 March 2018

Re: Revisions to the Turfgrass Science Undergraduate Minor

The Department of Crop and Soil Sciences would like to propose several changes to the Turfgrass Science Undergraduate Minor. These changes create consistency in admission and program requirements for all four minors in the department. The proposed final wording is as follows:

Requirements

A minimum of 16 hours is required for the minor in Crop Science. Students are required to complete 11 credits of required courses and a minimum of 5 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State.

Contact Person

Undergraduate Programs Office
Department of Crop & Soil Sciences
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

The original minor, revised minor showing edits and revised minor with final language are attached to this memo.

Turfgrass (11TFGM)

Description

~~This~~The minor in Turf Grass Science is open to all undergraduate students at NC State University, with the exception of ~~except~~ those with a major in enrolled in the Turfgrass Science major. It is designed for students majoring in Plant and Soil Sciences, Biological Sciences, Horticultural Science, Parks & Recreation and related disciplines but will be of interest to a wide variety of students desiring expertise in establishing and maintaining turfgrass areas. Students will gain an understanding of the techniques required to successfully establish and manage turfgrasses commonly grown throughout the United States. This knowledge will improve the student's ability to provide high quality turfgrass cover for a variety of situations including home lawns, commercial grounds, parks and other areas.

Requirements

~~A minimum of 16 hours is required for the minor in Turfgrass. The Turfgrass Science minor requires a minimum of 16 hours.~~ Students are required to complete 11 credits of required courses and a minimum of 5 credits of restricted enough elective courses ~~to total at least 16 credit hours~~. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option. ~~The minor should be declared at the time the student accumulates 60-70 credit hours.~~

Required Courses (11 credit hours)

- CS 200 Intro. Turfgrass Management (4 cr)
- CS 400 Turf Cultural Systems (3 cr)
- SSC 200 Soil Science (3 cr)
- SSC 201 Soil Science Laboratory (1 cr)

Elective Courses (minimum of 5 credit hours)

- CS 414 Weed Science (4 cr)
- CS 465 Environmental Issues in Turf Management (3 cr)
- CS 470 Turfgrass Pest Management (2 cr)
- ENT 425 General Entomology (3 cr)
- PP 315 Principles of Plant Pathology (4 cr)
- SSC 341 Soil Fertility & Fertilizers (3 cr) AND SSC 342 Soil Fertility Lab (1 cr)

Requirements for Admission & Completion

- ~~1. Students wishing to complete an academic minor in Turfgrass Science must complete the Application for Turfgrass Science Minor form available from the minor program administrator, 1207 Williams Hall, or a form can be e-mailed upon request.~~
- ~~2. An advisor, who will oversee admission to the minor program and certify completion of the minor, will be assigned by the program administrator. Students enrolled in the minor must consult with their minor advisors during each registration period.~~
- ~~3. Upon recommendation by the student's minor advisor, the program administrator will ascertain if the requirements of the minor have been fulfilled and recommend approval to the department head. The signed minor application will be submitted to the Academic Programs office in the College of Agriculture and Life Sciences by the department head.~~

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State. A minor advisor will be assigned to all students interested in completing the

Turfgrass minor. Students enrolled in the minor must consult with their minor advisor during each registration period.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should contact the Crop and Soil Sciences Undergraduate Programs Office for certification of the minor.

Contact Person

Dr. Richard J. Cooper
1207 Williams Hall
Department of Crop and Soil Sciences
919.515.7600
rich_cooper@ncsu.edu
Undergraduate Programs Office
Crop & Soil Sciences Department
2234 Williams Hall
Campus Box 7620
919-515-5820
cropsoil-undergraduate-office@ncsu.edu

SIS Code: 11TFGM

Turfgrass (11TFGM)

Description

The minor in Turf Grass Science is open to all undergraduate students at NC State University, with the exception of those enrolled in the Turfgrass Science major. It is designed for students majoring in Plant and Soil Sciences, Biological Sciences, Horticultural Science, Parks & Recreation and related disciplines but will be of interest to a wide variety of students desiring expertise in establishing and maintaining turfgrass areas. Students will gain an understanding of the techniques required to successfully establish and manage turfgrasses commonly grown throughout the United States. This knowledge will improve the student's ability to provide high quality turfgrass cover for a variety of situations including home lawns, commercial grounds, parks and other areas.

Requirements

A minimum of 16 hours is required for the minor in Turfgrass. Students are required to complete 11 credits of required courses and a minimum of 5 credits of restricted elective courses. A minimum grade of 'C-' or better is required in each course selected. No courses for the minor may be taken using the S/U option.

Required Courses (11 credit hours)

- CS 200 Intro. Turfgrass Management (4 cr)
- CS 400 Turf Cultural Systems (3 cr)
- SSC 200 Soil Science (3 cr)
- SSC 201 Soil Science Laboratory (1 cr)

Elective Courses (minimum of 5 credit hours)

- CS 414 Weed Science (4 cr)
- CS 465 Environmental Issues in Turf Management (3 cr)
- CS 470 Turfgrass Pest Management (2 cr)
- ENT 425 General Entomology (3 cr)
- PP 315 Principles of Plant Pathology (4 cr)
- SSC 341 Soil Fertility & Fertilizers (3 cr) AND SSC 342 Soil Fertility Lab (1 cr)

Admissions

Admission to the minor requires a cumulative grade point average of 2.0 or better. Students should contact the Crop and Soil Sciences Undergraduate Programs Office to inquire about adding the minor no later than the registration period for the student's final semester at NC State. A minor advisor will be assigned to all students interested in completing the Turfgrass minor. Students enrolled in the minor must consult with their minor advisor during each registration period.

Certification

The minor should be declared as soon as the student makes the decision to pursue a minor. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork to declare the minor should be completed no later than the registration period for the student's final semester at NC State. Students should contact the Crop and Soil Sciences Undergraduate Programs Office for certification of the minor.

Contact Person

Undergraduate Programs Office
Crop & Soil Sciences Department
2234 Williams Hall
Campus Box 7620
919-515-5820

cropsoil-undergraduate-office@ncsu.edu

SIS Code: 11TFGM

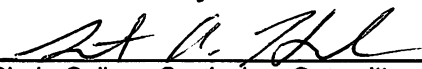
SIGNATURE PAGE

COURSE ACTION for Revision to Undergraduate Minor in Turfgrass

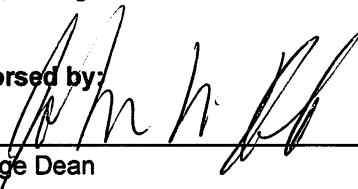
Recommended by:

	3-19-18
Head, Department of Crop and Soil Sciences	Date

Recommended by:

	4/6/18
Chair, College Curriculum Committee	Date

Endorsed by:

	4/6/18
College Dean	Date

Approved by:

_____	_____
Chair, University Courses & Curricula Committee	Date

_____	_____
Chair, Council on Undergraduate Education	Date

_____	_____
Dean, Division of Academic and Student Affairs (DASA)	Date