UNIVERSITY OF GEORGIA

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University Council

October 11, 2019

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Dear Colleagues:

The attached proposal to merge existing programs into the major in Integrative Conservation (Ph.D.) will be an agenda item for the October 18, 2019, Full University Curriculum Committee meeting:

Change the name of the major in Integrative Conservation and Geography (Ph.D.) to Integrative Conservation (Ph.D.)
Create a new Area of Emphasis in Anthropology under the major in Integrative Conservation (Ph.D.)
Create a new Area of Emphasis in Ecology under the major in Integrative Conservation (Ph.D.)
Create a new Area of Emphasis in Forestry and Natural Resources under the major in Integrative Conservation (Ph.D.)
Create a new Area of Emphasis in Geography under the major in Integrative Conservation (Ph.D.)

Deactivate the major in Integrative Conservation and Anthropology (Ph.D.)
Deactivate the major in Integrative Conservation and Ecology (Ph.D.)
Deactivate the major in Integrative Conservation and Forestry and Natural Resources (Ph.D.)

Sincerely,



John Maerz, Chair
University Curriculum Committee

cc: Provost S. Jack Hu
Dr. Rahul Shrivastav

Integrative Conservation PhD Program
321 Holmes-Hunter Academic Building
101 Herty Drive
Athens, Georgia 30602
706-542-0458
icon.uga.edu

March 20, 2019

Office of the Registrar
102 Holmes-Hunter
The University of Georgia
Athens, GA 30602

Re: Proposed Consolidation of the PhD in Integrative Conservation

To whom it may concern:

The Integrative Conservation Ph.D. Program Committee has voted in favor of my routing this proposal to consolidate the four (4) separate Integrative Conservation Ph.D. major programs into one major program. Thus, this proposal requires the following steps:

1) A proposal to change the name of the major in Integrative Conservation and Geography (Ph.D.) to Integrative Conservation (Ph.D.).
2) A proposal to deactivate the three (3) remaining Ph.D. programs: Integrative Conservation and Anthropology (Ph.D.), Integrative Conservation and Ecology (Ph.D.), Integrative Conservation and Forestry and Natural Resources (Ph.D.).
3) A proposal to add four (4) areas of emphasis under the changed major name - Integrative Conservation (Ph.D.):
   a. Area of Emphasis in Anthropology
   b. Area of Emphasis in Ecology
   c. Area of Emphasis in Forestry and Natural Resources
   d. Area of Emphasis in Geography

This proposal to consolidate the Integrative Conservation (ICON) PhD from four separate majors to one consolidated major program will (1) ensure that the program meets minimum requirements for program viability as defined by the USG Board of Regents, and (2) allow additional academic units to offer new areas of emphasis in the future without proposing a new graduate program. Administrative support for the program will remain unchanged, and is provided by the Graduate School and Center for Integrative Conservation Research (CICR) in cooperation with each home unit offering the degree. Similarly, the admissions process, curriculum and program governance remain the same. Governance consists of a Program Director (CICR Director), Graduate Coordinator, Graduate Affairs Committee, and Graduate Program Committee. Committees are composed of representatives from each academic unit offering the ICON (Ph.D.) major. The funds, courses, and space required for the program remain in place. The faculty of each of the current ICON degree granting units have voted in favor of this proposal.

Sincerely,

Nathan Nibbelink
Director, Center for Integrative Conservation Research/
Integrative Conservation PhD Program
Professor, Warnell School of Forestry and Natural Resources

Alan Dorsey
Dean, Franklin College of Arts and Sciences

Dale Greene
Dean, Warnell School of Forestry and Natural Resources

Theodore Gragson
Professor and Department Head, Anthropology

John Gittleman
Dean and UGA Foundation Professor, Odum School of Ecology

Steve Holloway
Professor and Department Head, Geography

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ACADEMIC PROGRAM NAME CHANGE JUSTIFICATION FORM

Date: March 20, 2019

Department/Division: Geography

School/College/Unit: Franklin College of Arts and Sciences

Proposed Effective Date: Spring 2020

PROGRAM NAME CHANGES:

Current Program Name: Integrative Conservation and Geography (Ph.D.)

Proposed Program Name: Integrative Conservation (Ph.D.)

JUSTIFICATION:

The program in Integrative Conservation (Ph.D.) – "ICON" – was implemented in August 2011 with the core mission to train the next generation of conservation and sustainability practitioners and scholars able to address complex conservation challenges. Currently, the ICON program is actually comprised of four separate majors:

Integrative Conservation and Anthropology (Ph.D.)
Integrative Conservation and Ecology (Ph.D.)
Integrative Conservation and Forestry and Natural Resources (Ph.D.)
Integrative Conservation and Geography (Ph.D.)

This table highlights applications and acceptance, across all four majors, from 2013 through 2017:

	2013	**2014**	**2015**	**2016**	**2017**
Applications	35	29	33	37	35
Acceptance	13	11	13	15	13

The Integrative Conservation (Ph.D.) program serves two purposes: 1) to confront the challenges of 21st century conservation research and practice by training agile scientists, and 2) to ensure that students gain disciplinary depth while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges.

At this time, the department proposes to change the name of the major in Integrative Conservation and Geography (Ph.D.) to Integrative Conservation (Ph.D.) as a first step in consolidating the four majors into a single major. Doing so will allow the program to extend to students and faculty advisors beyond the four original units, which will attract more applicants, increase enrollment, broaden faculty participation, and enable the program to continue to provide cutting edge interdisciplinary training. As of spring 2017, ICON faculty members have been approached by faculty from three units (College of Environment and Design,

College of Engineering, and Department of Marine Sciences) who have expressed interest in joining ICON. Program expansion, through this combination proposal, will also increase the number of faculty members advising and serving on ICON student committees.

The specific justification for changing the name of the major from Integrative Conservation and Geography (Ph.D.) to Integrative Conservation (Ph.D.) is to adopt a new name which more clearly conveys the broader emphases of the program, and serves as the first step to streamline the program into one that offers a single majors with multiple participating units.

PROPOSAL FOR AN AREA OF EMPHASIS

Date: March 20, 2019

School/College: Franklin College of Arts and Sciences

Department/Division: Anthropology

Program (Major and Degree): Integrative Conservation (Ph.D.)

Area of Emphasis Title: Anthropology

Which campus(es) will offer this program? Athens

Proposed Effective Date: Spring 2020

1. Area of Emphasis Description:

The Area of Emphasis in Anthropology will be offered under the major in Integrative Conservation (Ph.D.) by the Department of Anthropology within the Franklin College of Arts and Sciences. The goal of the program is to confront the challenges of 21st century conservation research and practice by training agile scientists, and to ensure that students gain disciplinary depth in Anthropology while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges. This is accomplished through the core ICON courses, electives, and mechanisms such as internships, strategic communication, and collaborative research and training.

2. Major Requirements:

Requirements for the major in Integrative Conservation (Ph.D.) with an Area of Emphasis in Anthropology are identical to the requirements of the existing major in Integrative Conservation and Anthropology (Ph.D.), and consist of 18 credit hours of ICON coursework while simultaneously meeting the requirements for a Ph.D. in Anthropology.

Integrative Conservation Core (18 hours)

- ECOL(ICON) 8400, Perspectives on Conservation Ecology and Sustainable Development (2 hours)
- ICON 8001, Principles of Integrative Conservation (3 hours)
- ICON 8002, Principles of Integrative Conservation (3 hours)
- ICON 8110, Field Planning and Preparation (1 hour)
- ICON(ANTH)(GEOG)(FANR)(ECOL) 8111, Integrative Conservation Internship (3 hours) **OR** ICON(ANTH)(GEOG)(FANR)(ECOL) 8111E, Integrative Conservation Internship (3 hours)
- ICON electives (6 hours) – see Appendix for course list

Area of Emphasis in Anthropology (66 hours)

Note: At least 20 hours must be in courses only open to graduate students.

- ANTH 6490, Foundations of Ecological Anthropology (3 hours)
- ANTH 6520, History of Anthropological Theory (3 hours)

- ANTH 8400, Human Population Ecology (3 hours)
- ANTH 8420, Human Ecosystem Evolution (3 hours)
- ANTH 9000, Doctoral Research (3 hours)
- ANTH 9005, Doctoral Graduate Student Seminar (6 hours)
- ANTH 9300, Doctoral Dissertation (3 hours)
- Electives, including up to 6 additional house of ANTH 9000 (28 hours) – see Appendix for course list

Additional Requirements
These requirements can be met through coursework or any other training as needed and approved by the doctoral committee.

- Six hours of appropriate training in theory
- Research methodology and techniques
- Foreign language competency

PROPOSAL FOR AN AREA OF EMPHASIS

Date: March 20, 2019

School/College: Odum School of Ecology

Department/Division: Odum School of Ecology

Program (Major and Degree): Integrative Conservation (Ph.D.)

Area of Emphasis Title: Ecology

Which campus(es) will offer this program? Athens

Proposed Effective Date: Spring 2020

1. Area of Emphasis Description:

The Area of Emphasis in Ecology will be offered under the major in Integrative Conservation (Ph.D.) by the Odum School of Ecology. The goal of the program is to confront the challenges of 21st century conservation research and practice by training agile scientists, and to ensure that students gain disciplinary depth in Ecology while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges. This is accomplished through the core ICON courses, electives, and mechanisms such as internships, strategic communication, and collaborative research and training.

2. Major Requirements:

Requirements for the major in Integrative Conservation (Ph.D.) with an Area of Emphasis in Ecology are identical to the requirements of the existing major in Integrative Conservation and Ecology (Ph.D.), and consist of 18 credit hours of ICON coursework while simultaneously meeting the requirements for a Ph.D. in Ecology.

Integrative Conservation Core (18 hours)

- ECOL(ICON) 8400, Perspectives on Conservation Ecology and Sustainable Development (2 hours)
- ICON 8001, Principles of Integrative Conservation (3 hours)
- ICON 8002, Principles of Integrative Conservation (3 hours)
- ICON 8110, Field Planning and Preparation (1 hour)
- ICON(ANTH)(GEOG)(FANR)(ECOL) 8111, Integrative Conservation Internship (3 hours) **OR** ICON(ANTH)(GEOG)(FANR)(ECOL) 8111E, Integrative Conservation Internship (3 hours)
- ICON electives (6 hours) – see Appendix for course list

Area of Emphasis in Ecology (30 hours)

Note: At least 20 hours must be in courses only open to graduate students.

- ECOL 8000, Topics in Modern Ecology (3 hours)
- ECOL(PBIO)(WILD) 8310, Population Ecology (3 hours)

- ECOL(WILD) 8322, Concepts and Approaches in Ecosystem Ecology (4 hours)
- ECOL 9300, Dissertation Writing (at least 3 hours)*
- Electives (20 hours)

*A maximum of 13 hours of ECOL 9000, Dissertation Research, and ECOL 9300, Dissertation Writing, can count towards the 30 hour program requirement.

PROPOSAL FOR AN AREA OF EMPHASIS

Date: March 20, 2019

School/College: Warnell School of Forestry and Natural Resources

Department/Division: Warnell School of Forestry and Natural Resources

Program (Major and Degree): Integrative Conservation (Ph.D.)

Area of Emphasis Title: Forestry and Natural Resources

Which campus(es) will offer this program? Athens

Proposed Effective Date: Spring 2020

1. Area of Emphasis Description:

The Area of Emphasis in Forestry and Natural Resources will be offered under the major in Integrative Conservation (Ph.D.) by the Warnell School of Forestry and Natural Resources. The goal of the program is to confront the challenges of 21st century conservation research and practice by training agile scientists, and to ensure that students gain disciplinary depth in Forestry and Natural Resources while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges. This is accomplished through the core ICON courses, electives, and mechanisms such as internships, strategic communication, and collaborative research and training.

2. Major Requirements:

Requirements for the major in Integrative Conservation (Ph.D.) with an Area of Emphasis in Forestry and Natural Resources are identical to the requirements of the existing major in Integrative Conservation and Forestry and Natural Resources (Ph.D.), and consist of 18 credit hours of ICON coursework while simultaneously meeting the requirements for a Ph.D. in Forestry and Natural Resources.

Integrative Conservation Core (18 hours)

- ECOL(ICON) 8400, Perspectives on Conservation Ecology and Sustainable Development (2 hours)
- ICON 8001, Principles of Integrative Conservation (3 hours)
- ICON 8002, Principles of Integrative Conservation (3 hours)
- ICON 8110, Field Planning and Preparation (1 hour)
- ICON(ANTH)(GEOG)(FANR)(ECOL) 8111, Integrative Conservation Internship (3 hours) **OR** ICON(ANTH)(GEOG)(FANR)(ECOL) 8111E, Integrative Conservation Internship (3 hours)
- ICON electives (6 hours) – see Appendix for course list

Area of Emphasis in Forestry and Natural Resources (30 hours)

- FANR 8060, Forestry and Natural Resources Seminar Series (1 hour)
- FANR 9000, Doctoral Research (6 hours)

- FANR 9300, Doctoral Dissertation (3 hours)
- Electives (20 hours)

Additional Requirements

- 16 hours in 8000- or 9000-level courses to be selected in consultation with the advisory committee.
- Fisheries and Wildlife students must complete at least 1 hours of a graduate seminar (e.g., WILD(FISH) 8300, Wildlife and Fisheries Seminar, ECOL 8220, Stream Ecology, or CBIO 8490, Cell Biology Seminar).
- Ph.D. students without an M.S. degree must take an additional four hours of courses open only to graduate students.

PROPOSAL FOR AN AREA OF EMPHASIS

Date: March 20, 2019

School/College: Franklin College of Arts and Sciences

Department/Division: Geography

Program (Major and Degree): Integrative Conservation (Ph.D.)

Area of Emphasis Title: Geography

Which campus(es) will offer this program? Athens

Proposed Effective Date: Spring 2020

1. Area of Emphasis Description:

The Area of Emphasis in Geography will be offered under the major in Integrative Conservation (Ph.D.) by the Department of Geography within the Franklin College of Arts and Sciences. The goal of the program is to confront the challenges of 21st century conservation research and practice by training agile scientists, and to ensure that students gain disciplinary depth in Geography while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges. This is accomplished through the core ICON courses, electives, and mechanisms such as internships, strategic communication, and collaborative research and training.

2. Major Requirements:

Requirements for the major in Integrative Conservation (Ph.D.) with an Area of Emphasis in Geography are identical to the requirements of the existing major in Integrative Conservation and Geography (Ph.D.), and consist of 18 credit hours of ICON coursework while simultaneously meeting the requirements for a Ph.D. in Geography.

Integrative Conservation Core (18 hours)

- ECOL(ICON) 8400, Perspectives on Conservation Ecology and Sustainable Development (2 hours)
- ICON 8001, Principles of Integrative Conservation (3 hours)
- ICON 8002, Principles of Integrative Conservation (3 hours)
- ICON 8110, Field Planning and Preparation (1 hour)
- ICON(ANTH)(GEOG)(FANR)(ECOL) 8111, Integrative Conservation Internship (3 hours) **OR** ICON(ANTH)(GEOG)(FANR)(ECOL) 8111E, Integrative Conservation Internship (3 hours)
- ICON electives (6 hours) – see Appendix for course list

Area of Emphasis in Geography (32 hours)

Note: At least 20 hours must be in courses only open to graduate students.

- GEOG 8910, Seminar in Geographic Thought and Methods (3 hours)
- GEOG 8900, Proseminar in Geography (1 hour)

- GEOG 8901, Proseminar in Geography II (1 hour)
- GEOG 9300, Doctoral Dissertation (3 hours)
- Electives, including up to 6 hours of GEOG 9000, Doctoral Research (9 hours) - see Appendix for course list

Additional Requirements

- A minimum of eight additional graduate-level courses (24 hours), or nine additional graduate-level courses (27 hours), if waived from GEOG 8910, Seminar in Geographic Thought and Methods.
- A minimum of four graduate-level courses (12 hours) of the eight additional courses must be taken at the 8000-level (five courses must be taken at the 8000-level if the student has been waived from GEOG 8910, Seminar in Geographic Thought and Method). GEOG 9000, Doctoral Research, may not be counted among the eight additional courses. No more than three of the elective hours may be from Directed Problems courses, from Geography (GEOG 8290, Directed Problems in Physical Geography, 8390, Directed Problems in Quantitative Geographic Methods, 8590, Directed Problems in Geographic Techniques, 8690, Directed Problems in Human Geography) or from any other departments.

PROPOSAL FOR DEACTIVATION OR TERMINATION OF AN ACADEMIC PROGRAM

Date: March 20, 2019

School/College: Franklin College of Arts and Sciences

Department/Division: Anthropology

Program (Major and Degree): Integrative Conservation and Anthropology (Ph.D.)

Which campus(es) offer this program? Athens

Deactivation or Termination? Deactivation

Proposed Effective Date: Spring 2020

Last date students will be admitted to this program: Fall 2019

Last date students will graduate from this program: Fall 2021

Program Abstract:
Provide a brief summary of the program being proposed for deactivation or termination.

The major in Integrative Conservation and Anthropology (Ph.D.) is one of four majors which comprise the program in Integrative Conservation. ICON was implemented in August 2011 with the core mission to train the next generation of conservation and sustainability practitioners and scholars able to address complex conservation challenges. The ICON program serves two purposes: 1) to confront the challenges of 21st century conservation research and practice by training agile scientists, and 2) to ensure that students gain disciplinary depth while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges.

For Deactivated or Terminated Programs:

1. **State the reasons for deactivating or terminating the program, and provide copies of any relevant documents.**

   This major is being deactivated as part of a combined proposal to consolidate the current four Integrative Conservation (ICON) (Ph.D.) programs into a single major. Currently, the ICON program includes four majors in each of the four participating units (Warnell School of Forestry and Natural Resources, Odum School of Ecology, and the Departments of Anthropology and Geography in the Franklin College of Arts and Sciences). Consolidating the program into one major, which can be offered by participating schools/colleges, will better reflect the true nature of the program with one active majors rather than four low-performing majors.

2. **What will be done to minimize the impact of the deactivation or termination of the program upon the personal and professional lives of the faculty and staff involved? Include specific information on: a) how faculty and staff will be notified of the deactivation or termination, and b) how faculty and staff will be reallocated.**

   The ICON program faculty discussed the Integrative Conservation and Anthropology major at their September 2018 faculty meeting, and voted unanimously to consolidate the four majors. Since this program will be consolidated with another major, there will be no negative impact on faculty or staff due to the deactivation.

3. What will be done to insure that deactivation or termination of the program does not weaken other programs (graduate, undergraduate, or professional) for which the department may be responsible?

No courses will be deleted due to this deactivation, so there should be no deleterious effect as a result of this action. The decision for the program deactivation is based on low graduation rates in the Integrative Conservation and Anthropology major. According to departmental records, there was one graduate in 2016, and no graduates in 2017 or 2018. This deactivation is not anticipated to adversely affect the Integrative Conservation program. Students will still be able to apply to the ICON program through the Department of Anthropology.

For Deactivated Programs:

4. State the plans for allowing students currently enrolled in the program to complete degree requirements, including specific information on: a) how students will be notified of the program deactivation, and b) how students will be advised on completing the program.

Students currently enrolled in the program will be allowed to graduate through the end of the deactivation period. Students have been notified of the possibility of this change during the program orientation beginning in fall 2018, and all students enrolled in this major will receive an email as soon as the program is formally deactivated. All continuing students will be given an option to change to the newly created major in Integrative Conservation (Ph.D.) or remain in and complete the deactivated program. Dr. Sonia Hernandez, the program's graduate coordinator, will counsel those students and oversee their progress toward completion of the degree.

5. What plans, if any, are there for subsequent reactivation of the deactivated program?

There are no plans to reinstate the major in Integrative Conservation and Anthropology (Ph.D.).

PROPOSAL FOR DEACTIVATION OR TERMINATION OF AN ACADEMIC PROGRAM

Date: March 20, 2019

School/College: Odum School of Ecology

Department/Division: Odum School of Ecology

Program (Major and Degree): Integrative Conservation and Ecology (Ph.D.)

Which campus(es) offer this program? Athens

Deactivation or Termination? Deactivation

Proposed Effective Date: Spring 2020

Last date students will be admitted to this program: Fall 2019

Last date students will graduate from this program: Fall 2021

Program Abstract:
Provide a brief summary of the program being proposed for deactivation or termination.

The major in Integrative Conservation and Ecology (Ph.D.) is one of four majors which comprise the program in Integrative Conservation. ICON was implemented in August 2011 with the core mission to train the next generation of conservation and sustainability practitioners and scholars able to address complex conservation challenges. The ICON program serves two purposes: 1) to confront the challenges of 21st century conservation research and practice by training agile scientists, and 2) to ensure that students gain disciplinary depth while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges.

For Deactivated or Terminated Programs:

1. **State the reasons for deactivating or terminating the program, and provide copies of any relevant documents.**

   This major is being deactivated as part of a combined proposal to consolidate the current four Integrative Conservation (ICON) (Ph.D.) programs into a single major. Currently, the ICON program includes four majors in each of the four participating units (Warnell School of Forestry and Natural Resources, Odum School of Ecology, and the Departments of Anthropology and Geography in the Franklin College of Arts and Sciences). Consolidating the program into one major, which can be offered by participating schools/colleges, will better reflect the true nature of the program with one active majors rather than four low-performing majors.

2. **What will be done to minimize the impact of the deactivation or termination of the program upon the personal and professional lives of the faculty and staff involved? Include specific information on: a) how faculty and staff will be notified of the deactivation or termination, and b) how faculty and staff will be reallocated.**

   The ICON program faculty discussed the Integrative Conservation and Ecology major at their September 2018 faculty meeting, and voted unanimously to consolidate the four majors. Since this program will be consolidated with another major, there will be no negative impact on faculty or staff due to the deactivation.

3. What will be done to insure that deactivation or termination of the program does not weaken other programs (graduate, undergraduate, or professional) for which the department may be responsible?

No courses will be deleted due to this deactivation, so there should be no deleterious effect as a result of this action. The decision for the program deactivation is based on low graduation rates in the Integrative Conservation and Ecology major. According to departmental records, there was one graduate in 2015. This deactivation is not anticipated to adversely affect the Integrative Conservation program. Students will still be able to apply to the ICON program through the Odum School of Ecology.

For Deactivated Programs:

4. State the plans for allowing students currently enrolled in the program to complete degree requirements, including specific information on: a) how students will be notified of the program deactivation, and b) how students will be advised on completing the program.

Students currently enrolled in the program will be allowed to graduate through the end of the deactivation period. Students have been notified of the possibility of this change during the program orientation beginning in fall 2018, and all students enrolled in this major will receive an email as soon as the program is formally deactivated. All continuing students will be given an option to change to the newly created major in Integrative Conservation (Ph.D.) or remain in and complete the deactivated program. Dr. Sonia Hernandez, the program's graduate coordinator, will counsel those students and oversee their progress toward completion of the degree.

5. What plans, if any, are there for subsequent reactivation of the deactivated program?

There are no plans to reinstate the major in Integrative Conservation and Ecology (Ph.D.).

PROPOSAL FOR DEACTIVATION OR TERMINATION OF AN ACADEMIC PROGRAM

Date: March 20, 2019

School/College: Warnell School of Forestry and Natural Resources

Department/Division: Warnell School of Forestry and Natural Resources

Program (Major and Degree): Integrative Conservation and Forestry and Natural Resources (Ph.D.)

Which campus(es) offer this program? Athens

Deactivation or Termination? Deactivation

Proposed Effective Date: Spring 2020

Last date students will be admitted to this program: Fall 2019

Last date students will graduate from this program: Fall 2021

Program Abstract:
Provide a brief summary of the program being proposed for deactivation or termination.

The major in Integrative Conservation and Forestry and Natural Resources (Ph.D.) is one of four majors which comprise the program in Integrative Conservation. ICON was implemented in August 2011 with the core mission to train the next generation of conservation and sustainability practitioners and scholars able to address complex conservation challenges. The ICON program serves two purposes: 1) to confront the challenges of 21st century conservation research and practice by training agile scientists, and 2) to ensure that students gain disciplinary depth while also learning to collaborate across disciplines and fields of practice to seek integrative solutions to complex conservation challenges.

For Deactivated or Terminated Programs:

1. **State the reasons for deactivating or terminating the program, and provide copies of any relevant documents.**

   This major is being deactivated as part of a combined proposal to consolidate the current four Integrative Conservation (ICON) (Ph.D.) programs into a single major. Currently, the ICON program includes four majors in each of the four participating units (Warnell School of Forestry and Natural Resources, Odum School of Ecology, and the Departments of Anthropology and Geography in the Franklin College of Arts and Sciences). Consolidating the program into one major, which can be offered by participating schools/colleges, will better reflect the true nature of the program with one active majors rather than four low-performing majors.

2. **What will be done to minimize the impact of the deactivation or termination of the program upon the personal and professional lives of the faculty and staff involved? Include specific information on: a) how faculty and staff will be notified of the deactivation or termination, and b) how faculty and staff will be reallocated.**

   The ICON program faculty discussed the Integrative Conservation and Forestry and Natural Resources major at their September 2018 faculty meeting, and voted unanimously to consolidate the four majors. Since this program will be consolidated with another major, there will be no negative impact on faculty or staff due to the deactivation.

3. What will be done to insure that deactivation or termination of the program does not weaken other programs (graduate, undergraduate, or professional) for which the department may be responsible?

No courses will be deleted due to this deactivation, so there should be no deleterious effect as a result of this action. The decision for the program deactivation is based on low graduation rates in the Integrative Conservation and Forestry and Natural Resources major. According to departmental records, there were three graduates in 2016, one in 2017, and three in 2018. This deactivation is not anticipated to adversely affect the Integrative Conservation program. Students will still be able to apply to the ICON program through the Warnell School of Forestry and Natural Resources.

For Deactivated Programs:

4. State the plans for allowing students currently enrolled in the program to complete degree requirements, including specific information on: a) how students will be notified of the program deactivation, and b) how students will be advised on completing the program.

Students currently enrolled in the program will be allowed to graduate through the end of the deactivation period. Students have been notified of the possibility of this change during the program orientation beginning in fall 2018, and all students enrolled in this major will receive an email as soon as the program is formally deactivated. All continuing students will be given an option to change to the newly created major in Integrative Conservation (Ph.D.) or remain in and complete the deactivated program. Dr. Sonia Hernandez, the program's graduate coordinator, will counsel those students and oversee their progress toward completion of the degree.

5. What plans, if any, are there for subsequent reactivation of the deactivated program?

There are no plans to reinstate the major in Integrative Conservation and Forestry and Natural Resources (Ph.D.).

ICON Program Suggested Electives

We encourage students to take at least two courses from the categories that do not include their home departments. Please note that courses listed below may not be offered each year. This list is not exclusive or exhaustive; if a class is not on this list please discuss it with your ICON Representative or the ICON Graduate Coordinator.

Faculty: If you would like to nominate a course for inclusion in this list please email course name, number, and brief justification to iconphd@uga.edu.

Natural Sciences

ANTH 6900, Special Topics in Anthropology (Primate Conservation), (3 hours)
ANTH 6900, Special Topics in Anthropology (Primate Behavior), (3 hours)
ECOL 6000, Population and Community Ecology, (3 hours)
ECOL 6080, Principles of Conservation Ecology and Sustainable Development, (4 hours)
ECOL 6150, Population Biology of Infectious Diseases, (4 hours)
ECOL(FANR) 6220, Foundations of Restoration Ecology, (3 hours)
ECOL 6310, Freshwater Ecosystems, (4 hours)
ECOL 8310, Population Ecology, (3 hours)
ECOL 8322, Concepts and Approaches in Ecosystem Ecology, (4 hours)
ECOL 8330, Landscape Ecology, (3 hours)
ECOL(PBIO)(CRSS)(FORS) 8850, Terrestrial Biogeochemical Cycling, (4 hours)
ECOL 8910, Perspectives in Computational Ecology, (1-3 hours)
GENE(ECOL) 4020W/6020W, Biotic Responses to Climate Change, (3 hours)
GEOG 4460/6460, Field and Lab Methods in Remote Sensing, (3 hours)
GEOG 6040, Global Environmental Change During the Quaternary, (3 hours)
GEOG 6150, Physical Climatology, (3 hours)
GEOG 6810, Conservation Ecology and Resource Management, (3 hours)
GEOG 8120, Seminar in Climatology, (3 hours)
MARS 6810, Global Biogeochemical Cycles, (3 hours)
WILD(FISH) 8300, Wildlife and Fisheries Seminar, (1-2 hours)

Quantitative Analysis

FANR 6750, Experimental Methods in Forestry and Natural Resource Research, (4 hours)
WILD 8360, Quantitative Conservation Science, (3 hours)
WILD(FISH) 8370/8370L, Bayesian Modeling for Conservation Science Spatial Analysis, (3 hours)
FANR 7620, GIS Applications for Natural Resources, (3 hours)
GEOG 6350, Remote Sensing of Environment, (3 hours)
GEOG 6370, Geographic Information Science, (3 hours)
GEOG 8300, Multivariate Techniques in Geography, (3 hours)

Social Sciences

ANTH 6010, Historical Ecology, (3 hours)
ANTH 6300, Ethnobotany, (4 hours)
ANTH 6490, Foundations of Ecological Anthropology, (3 hours)
ANTH 6620, Methods in Sociocultural Anthropology, (3 hours)

ANTH 8500, Seminar in Ecological Anthropology, (3 hours)
ANTH 8515, Institutional Dimensions of Sustainability, (3 hours)
ANTH 8520, Cultural Dimensions of Biodiversity, (3 hours)
ANTH 8560, Conservation and Development Practice, (3 hours)
ANTH 8630, Anthropological Research Design and Proposal Development, (3 hours)
GEOG 6680, Gender and Geography, (3 hours)
GEOG 6810, Conservation Ecology and Resource Management, (3 hours)
GEOG 8305, Seminar in Qualitative Research Methods, (3 hours)
GEOG 8810, Seminar in Human-Environment Relationships, (3 hours)
PRTM 7900, Ecotourism and Sustainable Development, (3 hours)

Law, Policy, Economics
AAEC 8100, Nonmarket Economic Valuation Techniques and Applications, (3 hours)
ECOL 8710, Environmental Law Practicum, (4 hours)
ECOL 8730, Environmental Policy, (3 hours)
ENVM 6650, Environmental Economics, (3 hours)
FANR 6810, Natural Resources Law, (3 hours)
FORS 8020, Bio-Based Economy Seminar, (1-3 hours)

Other
GRSC 8200, Communicating Research and Scholarship, (1-3 hours)

Appendix E: ICON Degree Checklist

Steps toward degree and timeline for adequate progress[i]

- ☐ 1. Selection of Major Professor [End of 1st Semester]
- ☐ 2. Selection of ICON Representative [End of 2nd semester]
- ☐ 3. Selection of Advisory Committee [End of 2nd semester]
- ☐ 4. Meeting with Advisor and ICON Rep [Before beginning of 2nd year
- ☐ 5. Preliminary Program of Study [End of 2nd semester]
- ☐ 6. Dissertation Proposal Defense [4th or 5th semester]
- ☐ 7. Human Subjects [Yes No] If yes, IRB approval #___
- ☐ 8. Animal Use & Care [Yes No] If yes, IACUC approval #_____
- ☐ 9. Final Program of Study [4th or 5th semester] Must be approved by Grad School before Oral Comp Exam can be scheduled
- ☐ 10. Written Comprehensive Exam [4th or 5th semester]
- ☐ 11. Oral Comprehensive Exam [4th or 5th semester] All information must be provided to Graduate Coordinator's office three weeks prior to desired date for oral exam
- ☐ 12. Admission to Candidacy [End of 5th Semester]
- ☐ 13. Graduate Application [Before beginning of 8th Semester] Please note Graduate School Website for Deadline
- ☐ 14. Doctoral Dissertation Approval and Final Exam [End of 8th semester]

Program of Study Checklist

Graduate School Requirements

- ☐ 30 hours of degree credit: Must include 16 hours of course work at 8000- and/or 9000-level.

ICON Requirements

Five (5) ICON core courses (minimum of 12 credit hours) must appear on your Program of Study:

- ☐ ICON 8001 (3 hrs)
- ☐ ICON 8110* (1 hr) *only for students enrolling in fall 2015 or later.
- ☐ ICON 8002 (3 hrs)
- ☐ ECOL(ICON) 8400 (2 hrs)
- ☐ ICON 8111/8111E (3-8 hrs) The internship course may be repeated for a maximum of 16 hours of credit. If needed, students may register for internship credit during the fall following their summer internship to complete the requirement. **The internship is not intended to count toward the 16 hours of 8000- or 9000-level coursework required by the Graduate School.**

Course electives

- ☐ Minimum of two (2) additional graduate-level courses (6 hours total). See "2015-2016 Integrative Conservation Suggested Electives."

Home department requirements

- ☐ All degree requirements for home departments. See home department handbooks for additional details.

[i] Please note that these are general guidelines; ICON defers to the student's Advisor and Departmental guidelines first. Graduate School forms are available online at: http://www.grad.uga.edu/forms&publications/currentstudent_forms.html

Approvals on File

Proposal: Program Merge to Create Integrative Conservation (Ph.D.):

- Change the name of the major in Integrative Conservation and Geography (Ph.D.) to Integrative Conservation (Ph.D.)
- Create a new Area of Emphasis in Anthropology under the major in Integrative Conservation (Ph.D.)
- Create a new Area of Emphasis in Ecology under the major in Integrative Conservation (Ph.D.)
- Create a new Area of Emphasis in Forestry and Natural Resources under the major in Integrative Conservation (Ph.D.)
- Create a new Area of Emphasis in Geography under the major in Integrative Conservation (Ph.D.)
- Deactivate the major in Integrative Conservation and Anthropology (Ph.D.)
- Deactivate the major in Integrative Conservation and Ecology (Ph.D.)
- Deactivate the major in Integrative Conservation and Forestry and Natural Resources (Ph.D.)

Colleges: Franklin College of Arts and Sciences, Odum School of Ecology, Warnell Forestry and Natural Resources

Departments: Geography, Anthropology, Odum School of Ecology, Warnell Forestry and Natural Resources

Proposed Effective Term: Spring 2020

Department:

- Department of Anthropology Department Head Dr. Theodore Gragson, 3/28/19
- Department of Geography Department Head Dr. Steven Holloway, 3/25/19

School/College:

- Center for Integrative Conservation Research Director Dr. Nathan Nibbelink, 3/20/19
- Franklin College of Arts and Sciences Associate Dean Dr. Jean Martin-Williams, 4/16/19
- Warnell School of Forestry and Natural Resources Dean Dr. W. Dale Greene, 3/25/19
- Odum School of Ecology Dean Dr. John Gittleman, 3/20/19

Graduate School:

- Graduate School Dean Dr. Suzanne Barbour, 8/22/19