

KENT STATE UNIVERSITY CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **27-Apr-18** Curriculum Bulletin _____
Effective Date **Fall 2019** - Approved by EPC _____

Department **Biomedical Sciences**
College **AS - Arts and Sciences**
Degree **PHD - Doctor of Philosophy**
Program Name **Biomedical Sciences - Biological Anthropology** Program Banner Code **BANT**
Concentration(s) ~~**BMS**~~ Concentration(s) Banner Code(s)
Proposal **Revise program**

Description of proposal:

This proposal makes changes to the Ph.D. program as described in the graduate catalog, including updates to the program description, admission requirements, and curricular changes. The goal of these changes is to bring the catalog in line with actual practices and to make program requirements more clear to potential applicants.

Program Name: The name of the program has been updated from Biological Anthropology to Human Evolutionary Biology.

Program Description: The catalog description of the program has been updated to more accurately reflect the organization of the program and areas of research focus.

Program Requirements: The current catalog entry for program requirements does not accurately reflect the current curriculum. It has been replaced by the curriculum voted on by BMS-Biological Anthropology faculty and that has been in place for the past several years.

Does proposed revision change program's total credit hours? Yes | No

Current total credit hours: **65** Proposed total credit hours **60**

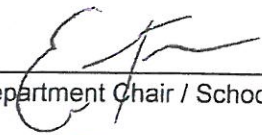
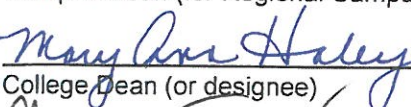
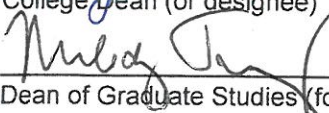
Describe impact on other programs, policies or procedures (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

This program revision should not impact other programs, policies, or procedures.

Units consulted (other departments, programs or campuses affected by this proposal):

Not applicable

REQUIRED ENDORSEMENTS

| | |
|---|-----------------|
|  _____ Department Chair / School Director | <u>4/27/18</u> |
| _____ Campus Dean (for Regional Campuses proposals) | <u> / / </u> |
|  _____ College Dean (or designee) | <u>5/11/18</u> |
|  _____ Dean of Graduate Studies (for graduate proposals) | <u>7/18/18</u> |

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Senior Vice President for Academic Affairs or Provost (or designee)

____/____/____

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Proposal Summary
Revision of Biomedical Sciences – Biological Anthropology Ph.D. program
[PhD BANT]

Description of Action, Including Intended Effect

This proposal makes changes to the Ph.D. program as described in the graduate catalog, including updates to the program description, admission requirements, and curricular changes. The goal of these changes is to bring the catalog in line with actual practices and to make program requirements more clear to potential applicants.

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Impact on Other Programs, Course Offerings, Students, Faculty, Staff (e.g., duplication issues)

There should be no impact of these changes on any other programs. No course offerings in Biomedical Sciences will change.

Fiscal, Enrollment, Facilities and Staffing Considerations

There are no considerations in this category that should be affected by the proposed changes.

Evidence of Need and Sustainability if Establishing

N/A

Provisions for Phase-Out if Inactivating

N/A

Timetable and Actions Required: *a chronology of actions required to approve the proposal with an anticipated implementation date for each action*

Approval by Biological Anthropology graduate faculty: April, 2015 & April 2018

Approval by Biomedical Sciences Executive Committee: April, 2018

Approval by College Curriculum Committee, Spring 2018

Approval by Educational Policies Council, Fall 2018

Effective, with approval of ODHE, Fall 2019

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Board of Regents

University System of Ohio

 John R. Kasich, Governor
 John Carey, Chancellor

**CHANGE REQUEST FORM
 DEGREE TITLE CHANGE**

CCGS member institutions must use this form to request degree title changes for previously approved graduate programs. Change requests must be submitted through the institution's CCGS representative. In order to ensure sufficient time for review, please submit all requests **at least four weeks prior to an upcoming meeting of the CCGS**. Documents may be submitted as PDF or Microsoft Office documents (e.g., Word or Excel).

Date of submission:

May 9, 2018

Name of institution:

Kent State University

Primary institutional contact for this request:

| | |
|--------------|-----------------------|
| Name | Melody Tankersley |
| Title | Graduate Studies Dean |
| Phone number | 330-672-9354 |
| E-mail | mraghant@kent.edu |

Previously approved title:

PhD in Biomedical Sciences, Biological Anthropology

Proposed new title:

PhD in Biomedical Sciences, Human Evolutionary Biology

Date that the request received final approval from the appropriate institutional committee:
Proposed implementation date:

Fall 2019

Educator Preparation Programs:

Indicate whether the program that is being retitled leads to educator preparation licenses or endorsements.

Licensure

Yes/No

Endorsement

Yes/No

Please provide the following information:*1. Rationale for title change.*

The School of Biomedical Sciences and Department of Anthropology propose to change the name of its PhD degree name to more accurately reflect the expertise of its recipients and also to attract more students to our discipline. The term 'anthropology' is not well-understood by a large percentage of the public and even within the modern academy. Changing the name of the degree to Human Evolutionary Biology highlights the strengths of Kent State University's biological anthropology faculty while providing a readily understandable, accessible, and valued title for students and their potential employers.

2. Describe how the title change will affect students in the current program.

We anticipate that the name change will have a positive impact on post-graduation employment by making the topic of study readily understandable for students and employers. As biological anthropologists, our focus has always been human evolutionary biology. However, the term 'anthropology' is both broad and outdated, with few people outside the discipline fully understanding its definition. An informal poll of the current Ph.D. students revealed that 100% are in favor of the name change, but we would allow current students to have a choice of program name for their final degree.

3. Are there any administrative, curricular, faculty or support service changes occurring along with the title change? If "yes," please describe.

Yes. We are proposing updates to both the curriculum and program description. We are reducing the number of formal course credit hours from 35 to 30 to more closely align with expectations of comparable Ph.D. programs and also because our Ph.D. students typically have already earned a Master's degree before entering the Ph.D. program. We have included the revised core courses for the School of Biomedical Sciences (Introduction to Biomedical Sciences and Responsible Conduct of Research), added the graduate-level core course in biological anthropology, cell biology, and updated the approved courses for human gross anatomy and statistics course options.

4. Have the appropriate accreditation agencies been informed of the proposed change (if applicable)?

Not applicable.

The person listed below verifies that this request has received the necessary institutional approvals and that the above information is truthful and accurate.

Signature (Chief Academic Officer or Delegate – e.g., Graduate Dean)

Typed Name & Title

Date of Approval

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HUMAN EVOLUTIONARY

BIOMEDICAL SCIENCES - ~~BIOLOGICAL~~
BIOLOGY
~~ANTHROPOLOGY~~ - PH.D.

College of Arts and Sciences

School of Biomedical Sciences

Cunningham Hall

Kent Campus

330-672-2263

www.kent.edu/biomedical

Description

*See
Insert A*

*INSERT NEW PROGRAM
DESCRIPTION*

The Ph.D. degree in Biomedical Sciences–Biological Anthropology emphasizes a biological approach to research problems focusing on both human and non-human anthropology. The program focuses on basic human anatomy, developmental biology, mammalian physiology and paleontology. In general, most graduates are prepared to teach both human anatomy and another cognate field (e.g., neuroanatomy, cell biology, physiology) in demand at most medical schools. Many graduates also use their training and teaching experience to enter regular anthropology or corporate research positions.

Faculty in the program are drawn from the departments of Anthropology and Biological Sciences at Kent State University, the Department of Biomedical Engineering at the University of Akron and the Department of Anatomy and Neurobiology at the Northeast Ohio Medical University (NEOMED). This interdepartmental and inter-institutional structure provides significant resources available to doctoral candidates, including the Hammonn-Todd human and primate skeletal collection, state-of-the-art laboratories for physical anthropology and paleontology and biomechanics research laboratories for the reproductive physiology and endocrinology of extant primate species. Additional resources are available to students through collaborators at the Cleveland Museum of Natural History and the

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Cleveland Metro Parks Zoological Center. In addition, field training is available in South America for primate ecology and behavior.

FULLY OFFERED AT:

Kent Campus

Admission Requirements

Master's degree in anthropology or biological sciences from an accredited college or university¹

Minimum 3.000 GPA on a 4.000 point scale

~~College-level courses in statistics and computer science~~

Official transcript(s)

GRE scores

Goal statement

Three letters of recommendation

English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:

Minimum 600 TOEFL PBT score (paper-based version)

Minimum 100 TOEFL IBT score (Internet-based version)

Minimum 85 MELAB score

Minimum 7.0 IELTS score

Minimum 68 PTE score

For more information about graduate admissions, please visit the [Graduate Studies admission website](#). For more information on international admission, visit the [Office of Global Education's admission website](#).

¹ A student with an outstanding academic record may receive a waiver of the master's degree requirement upon completion of 20 credit hours of graduate work and be admitted directly to the Ph.D. degree program.

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Program Learning Outcomes

Graduates of this program will be able to:

- 1 Publish their research in peer-reviewed journals.
- 2 Demonstrate the ability to teach undergraduate students.
- 3 Seek employment after graduation in fields that reflect their area of training.

Program Requirements

MAJOR REQUIREMENTS

[PHD-BANT]

See insert table B

| Major Requirements ¹ | | |
|--|--|------------------|
| BMS 78610 | HUMAN GROSS ANATOMY I | 4 |
| BMS 71001 | INTRODUCTION TO BIOMEDICAL SCIENCES | 1 |
| BMS 78611 | HUMAN GROSS ANATOMY II | 3 |
| BMS 71000 | RESPONSIBLE CONDUCT OF RESEARCH | 1 |
| BMS 78637 OR BSCI 70103 OR PSYC 71651 | BIOANTHROPOLOGICAL DATA ANALYSIS I | 3-5 |
| BMS 78638 OR PSYC 71651 | BIOANTHROPOLOGICAL DATA ANALYSIS II | 3 |
| BMS 78691 | SEMINAR IN BIOLOGICAL ANTHROPOLOGY | 1 |
| BMS 80199 | DISSERTATION I ² | 30 |
| BMS 78637 | Principles of Biological Anthropology | 3 |
| BSCI 70163 | EVOLUTION | 3 |
| Electives ³ | | 4-9 18 |
| Minimum Total Credit Hours: | | 65 60 |

- ¹ Courses equivalent to those in the core may be substituted with the approval of the program committee.
- ² Each doctoral candidate, upon admission to candidacy, must register for **BMS 80199** for a total of 30 credit hours. It is expected that a doctoral candidate will continuously register for **BMS 80199** and thereafter **BMS 80299**, each semester, including summer, until all requirements for the degree have been met.
- ³ Cognate and elective courses in related departments (e.g., anthropology, biological sciences, chemistry, geology and psychology) will be selected and approved by the student's advisory committee.

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BIOMEDICAL SCIENCES – Human Evolutionary Biology – PH.D.

College of Arts and Sciences
 Cunningham Hall
 Kent Campus
 330-672-2263

www.kent.edu/biomedical

Description*Insert A*

The Ph.D. degree in Biomedical Sciences – Human Evolutionary Biology emphasizes a biological approach to research problems focusing on human and nonhuman anthropology. The program focuses on human anatomy and neuroanatomy, developmental biology, evolutionary genetics, mammalian physiology, paleontology, and experimental archaeology. Many graduates use their training and teaching experience to enter anthropology or corporate teaching positions. Most graduates are also prepared to teach both human anatomy and another cognate field (neuroanatomy, cell biology, physiology, genetics) in demand at most medical schools.

Faculty in the program are drawn from the departments of Anthropology and Biological Sciences at Kent State and the Department of Anatomy and Neurobiology at the Northeast Ohio Medical University. This inter-departmental and inter-institutional structure provides significant resources to doctoral candidates, including the Hammon-Todd human and primate skeletal collection, state-of-the-art laboratories for neuroanatomy, anatomy, genetics, paleontology, biomechanics, and experimental archaeology. Additional resources are available to students through the Cleveland Museum of Natural History, the Cleveland Metroparks Zoo, and other local, national, and international collaborative relationships.

FULLY OFFERED AT:

Kent Campus

Admission Requirements

Master's degree in anthropology or biological sciences¹
 Official transcript(s)
 GRE scores
 Goal statement
 Three letters of recommendation

¹ A student with an outstanding academic record may receive a waiver of the Master's degree requirement upon completion of 20 credit hours of graduate work and be admitted directly to the PhD degree program.

Program Learning Outcomes

Graduates of this program will be able to:

1. Publish their research in peer-reviewed journals
2. Demonstrate the ability to teach graduate students
3. Seek employment after graduation in fields that reflect their area of training

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PH.D. IN BIOMEDICAL SCIENCES – HUMAN EVOLUTIONARY BIOLOGY

Human Evolutionary Biologist

Students seeking a PhD in **BMS-Biological Anthropology** must complete the following core curriculum:

Insert Table B

| Credits | Course |
|-------------|---|
| 1 credit | BMS 71001 Introduction to Biomedical Sciences |
| 1 credit | BMS 71000 Responsible Conduct of Research |
| 3 credits | BSCI 70143 Eukaryotic Cell Biology |
| 1 credit | BSCI 70144 Selected Readings in Eukaryotic Cell Biology |
| 3 credits | BMS 78630 Principles of Biological Anthropology (cross listed as ANTH 68630) |
| 3-5 credits | BMS 78637 Analysis of Bioanthropological Data I (5 cr) (cross listed as ANTH 68637) BSCI 70103 Biological Statistics (3 cr) Psyc 71651 Quantitative Statistical Analysis (3 cr) |
| 3 credits | BMS 78638 Analysis of Bioanthropological Data II (3 cr) (cross listed as ANTH 68638) PSYC 71654 Quantitative Statistical Analysis II (3 cr) |
| 5-8 credits | Human Gross Anatomy (may be satisfied by courses at NEOMED or the Podiatric School) <i>PCS 80111</i> |
| 1 credit | BMS 78691 Seminar in Biological Anthropology |

4-9 credits Electives

PhD students should enroll in elective courses to reach a minimum of 30 credit hours of formal coursework, which may include research hours. Electives are specialized to a student’s subdiscipline and are approved by the student’s dissertation committee.

PhD students must reach a total of 30 credit hours prior to enrolling in Dissertation I. Upon admission to candidacy, doctoral students must register for BMS 80199 Dissertation I for two semesters for a total of 30 hours (15 credits per semester). Students will enroll in BMS 80299 Dissertation II thereafter until all requirements for the degree have been met.

PROFESSIONAL DEVELOPMENT

Candidates for the PhD are expected to engage, to the extent possible, in other activities that benefit their professional development. The teaching of laboratory and lecture courses, as appropriate, is considered valuable, and each student should have this experience during his or her graduate career. This includes those students on non-teaching scholarships or research appointments during their tenure. Students should also seek membership in professional organizations, attend meetings to present research results, and maintain currency in the relevant literature.

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