



INDIANA UNIVERSITY

DEPARTMENT OF ANATOMY AND CELL BIOLOGY
School of Medicine

October 3, 2016

Randy R. Brutkiewicz, PhD
Associate Dean for Graduate Studies

Janice Blum, PhD
Associate Vice Chancellor for Graduate Education at IUPUI
Associate Dean of the University Graduate School, Indiana University

Dear Drs. Brutkiewicz and Blum,

I am writing to formally request a minor modification to the Education Track PhD Program in Anatomy and Cell Biology (see attached). Specifically, we wish to provide an alternative for one of our required courses:

- **MED X660 Neuroscience and Behavior (6 cr.) – a spring semester course**

We propose that graduate students be allowed to select either MED X660 or:

- **ANAT D701 Translational Neuroscience (5 cr.) – a fall semester course**

Completing either course would fulfill the degree requirement. We believe this option will allow greater flexibility for student preference and ease of scheduling. Both are doctoral-level courses that cover similar content. This curricular modification has been unanimously approved by the department's Graduate Studies Committee.

Thank you for your consideration. Please let me know if you require further information.

Sincerely,

James J. Brokaw, PhD, MPH
Vice Chair for Education
Director, Education Track PhD Program

CC:
K. Jones
J. Bidwell



RJB
10/3/16

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IU School of Medicine
Anatomy & Cell Biology

Current Degree Plan for Education Track PhD in Anatomy and Cell Biology—Indianapolis

Biomedical Courses (37-39 hours)

- X620 Human Structure (8)
- X630 Molecules to Cells and Tissues (8)
- X660 Neuroscience and Behavior (6) →
- X640 Fundamentals of Health and Disease (6)
OR
- F503 Graduate Physiology (5)
- D861 Anatomy Education Seminar (1); required yearly, which would sum to 5 credit hours assuming a 5-year degree completion time; this seminar series will focus on educational topics rather than bench research.
- D878 Anatomy Teaching Practicum (2); supervised teaching in Gross Anatomy, Histology, and Neuroscience (repeated for 6 hours total); this teaching will entail lecturing as well as assisting in laboratory instruction.

Proposed Modification:

- X660 Neuroscience and Behavior (6)
OR
- D701 Translational Neuroscience (5)

Education Courses—Doctoral Minor (18 hours)

- M620 Pedagogical Methods in the Health Sciences (3)
OR
- W672 College Teaching in Health Sciences (3)
- J500 Instruction in the Context of Curriculum (3)
OR
- C750 Curriculum in Higher Education (3)
- P540 Learning and Cognition in Education (3)
- Y611 Qualitative Inquiry in Education (3)
- Y521 Methodological Approaches to Educational Inquiry (3) (PREFERRED)
OR
- Y520 Strategies for Educational Inquiry (3)
In special circumstances, either of the courses below may substitute for Y521 or Y520 with permission of the student's advisory committee:
 - Y510 Action Research (3)
 - C750 Scholarship of Teaching and Learning (3)

- And select **ONE** of these:
 - Y525 Survey Research (3)
 - OR**
 - Y603 Statistical Design of Educational Research (3)
 - OR**
 - C750 Topical Seminar (3)
 - **OR**
 - Another education course if approved by the student's advisory committee

Statistics Courses (6-7 hours)

- Y502 Intermediate Statistics Applied to Education (3); requires concurrent registration with Y500 Computer Lab for Educational Statistics (1) (prerequisite: Y520 Strategies for Educational Inquiry or a course in basic statistics)
- **OR**
- P551 Biostatistics for Public Health I (3)
- Y604 Multivariate Analysis in Educational Research (3)
- **OR**
- P652 Biostatistics for Public Health II (3)

Electives and Research Credits (26-28 hours)

- Electives to be selected in consultation with advisor. Students will be encouraged to take one or more of the following courses:
 - D864 Advanced Gross Anatomy (2)
 - D856 Advanced Histology (2)
 - D875 Advanced Neuroanatomy (2)
 - D700 Educational Research Practicum (2)
- D860 Dissertation Research (cr. arr.)—sufficient to complete the 90 credit hour degree requirement

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