PROFESSOR STUART MEYERS, CHAIR  
Reproductive Biology Designated Emphasis

RE: DE in Reproductive Biology – Degree Requirement Revisions

Dear Professor Meyers:

At its meeting of December 11, 2015, Graduate Council considered and approved your request for revised requirements for the Designated Emphasis in Reproductive Biology.

Enclosed is a copy of the new requirements with the Graduate Council approval date; please keep a copy for your files and for future revisions. The Office of Graduate Studies also will keep copies in its files.

Thank you for your patience in this matter, and for your work on improving graduate education.

Sincerely,

Kyaw Tha Paw U
Chair, Graduate Council

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c: André Knoesen, Chair, Academic Senate
   Graduate Council Analyst
A. Admissions Criteria

Any student admitted to a participating doctoral program is eligible for admission. The Designated Emphasis in Reproductive Biology (DERB) serves faculty from seven major graduate groups: Molecular, Cellular, & Integrative Physiology, Biochemistry, Molecular Cell and Developmental Biology, Comparative Pathology, Pharmacology and Toxicology, Epidemiology, Integrative Genetics and Genomics, and Animal Biology. Once accepted to a graduate group, students should file application form gs323 available on the DERB website (http://www.vetmed.ucdavis.edu/repro_biology/index.cfm) and submit to Graduate Studies after obtaining signatures of the student’s graduate program advisor and the DERB Chair.

B. Curriculum

1. Required courses:
   Curriculum requirements for students admitted to the DERB would include 1) two courses from the following in reproductive biology with one of these serving as required course and the other serving as an elective, and 2) one seminar or journal club with relevance to reproductive studies. The elective course in Reproductive Biology must be approved by the Executive Committee of the DERB. Other courses that are not listed would require approval by the DERB Executive Committee in the event any listed courses become unavailable or new courses become available with emphasis in Reproductive Biology. This change is requested in order to enhance flexibility by students and faculty of the DERB.

   MCP 220 General and Comparative Reproduction, 3 units
   MCP 222 Mammalian Gametogenesis and Fertilization, 3 units
   EPI 255 Reproductive Epidemiology, 3 units
   ETX 250 Reproductive Toxicology, 3 units
   MCB 213 Developmental Biology, 3 units
   MCB 251 Molecular Mechanisms of Early development, 3 units
   MCB 255 Molecular Mechanisms in Pattern Formation and Development, 3 units

   Seminar Courses in Reproductive Biology
   GGG 295 Seminar in Chromosome Biology (Fall Quarter, even years), 1 unit
   ANS 290 Fertilization and Early Development Journal Club, 1 unit
   PHR 292 Topics in Genetics and Reproduction, 1 unit
   APC 298 Group Study in Gamete Reproduction, 1 unit

2. Elective courses:
   see list of courses above.
3. Qualifying Examination
The Ph.D. qualifying examination shall include examination of a general understanding of comparative reproductive biology and an in-depth comprehension of reproduction in the context provided by the specialty area of the affiliated graduate group. At least one faculty member of the DERB shall participate in the oral qualifying examination. Although an affiliated graduate group may require both a written and an oral examination, examination for the DERB will include only the oral examination. Satisfactory performance on the qualifying examination for the DERB will be judged independently from performance for the Ph.D. The Chair of the DERB and the student's Ph.D. program Graduate Adviser must co-sign the Qualifying Examination Committee form, which is submitted to Graduate Studies for approval by the Dean of Graduate Studies.

An allowable outcome of the Qualifying Examination is that the student's performance may be "passing" for the Ph.D. but "not passing" for the DE. In the event that a student passes the PhD qualifying exam, but receives a "not pass" for the DE, the Executive Committee of the DE will define a plan for remediation. The plan may include, but is not limited to re-examination by the DE Executive Committee, coursework, teaching, or preparation of a paper. If the student is re-examined, the outcome is limited to “pass” or “fail”. If the student receives a “fail”, the student is disqualified from the DE.

4. Dissertation Requirements
The student's Dissertation Committee shall be selected in accordance with the regulations of the Ph.D. program, but must include at least one member of the DE. The DE member may be the Dissertation Committee Chair. The dissertation topic will be relevant to the area of the DE.

5. Degree Conferral Process:
The Designated Emphasis will be awarded solely in conjunction with the Ph.D. and will be signified by the degree designation “Ph.D. in X with Emphasis in Reproductive Biology” where X is the Ph.D. program.

C. Student Advising
The DE will appoint a faculty adviser for each student admitted. This adviser may be different from the adviser appointed by the student's graduate program, and if so will serve the candidate only in matters relating to the DE.

D. Impact on Time to Degree
It is not expected that satisfying the DERB requirements would impact time to degree for any student's home graduate program.
APPENDIX A

Curriculum Requirements (as Currently Stated)
Curriculum requirements for students admitted to the DERB include the core course, “General and Comparative Reproduction” (MCIP 220), a seminar course, and two elective courses from a list of specialty courses in Reproductive Biology as approved by the Chair of the DERB acting as Advisor for the DERB. Other courses can be approved by the DERB Executive Committee.