February 16, 2001

TO: GARY ANDERSON, Chair  
    Department of Animal Science

TRISH BERGER  
Department of Animal Science

FROM: C. CHRISTOPHER CALVERT, Chair  
    Graduate Council

SUBJECT: Graduate Program in Animal Science – Changes to M.S. Plan II degree requirements

At its meeting of February 12, 2001 the Graduate Council considered and approved the graduate program in Animal Science’s request for changes to its M.S. Plan II degree requirements. The Educational Policy Committee (EPC) Chair reported that EPC supported the proposal to modify the M.S. Plan II requirements and recommended Council’s approval. He reported that the only substantive change was to raise the number of units of graded (i.e. not S/U) graduate level coursework from 9 to 18 of the total 36 units required.

Please send a copy of the entire document that includes the approved changes to Lee Wilce in the Office of Graduate Studies. The document will be added to the program’s degree requirements file that is maintained by Graduate Council.

/lsw

cc: C. González  
    J. Hedrick  
    C. Jacks  
    R. Kraft
May 24,

To: Graduate Council, University of California, Davis

From: Trish Berger, Chair, Animal Science Graduate Program

Re: Request to approve changes to our MS, Plan II requirements

During this academic year, the Animal Science Graduate Program Committee has discussed changed to the requirements for the M.S. in Animal Science, Plan II. The opinion was that the Plan II requirements should approach the rigor of the Plan I requirements. A draft of proposed changes were discussed at the annual meeting of the Animal Science Graduate Program and a revised plan was prepared. This plan was unanimously approved by the Animal Science Graduate Program Committee. (Approval by the committee is required for changes to the operating procedures.) The changes were then distributed to the faculty members of the Animal Science Graduate Program. In three weeks, only one comment was received questioning whether we should admit students to the Plan II. (That issue had been discussed by the committee; the consensus was that if meeting the Plan II requirements were worthy of a degree, admission to Plan II status should be acceptable.)

The revised requirements for the Plan II are that of the 36 required units, 27 shall be graded units (100 and 200 level) and at least 18 of the 27 shall be graded graduate level units.

The current 6 unit requirement for ANS 290C, ANS 297, or ANS 299 is changed to 6 units of ANS 299.

The comprehensive oral exam is retained in it’s present form.

The two unit requirement of Animal Science 290 is retained.
Requirements for a Plan II M.S. in Animal Science

1. A minimum of 36 units of coursework at upper division or graduate level.
   
   Of those 36 units:
   
   • 18 units should be graded (i.e. not S/U) graduate (>200) level courses
   
   • a minimum of 9 additional units of graded (i.e. not S/U or P/NP) coursework at the upper division (100) or graduate (>200) level
   
   • a minimum of 6 units should be Animal Science 299 (Graduate Research)
   
   • a minimum of 2 units should be Animal Science 290 (Graduate Research Seminar)

   Students typically specialize in Animal Behavior, Animal-Environment Interactions, Animal Genetics, Animal Reproduction, Aquaculture, Endocrinology, or Nutrition. Courses should be chosen from these disciplines with the consultation of the faculty mentor and the Animal Science Graduate Adviser.

2. A paper written in scientific format and approved by major professor.

3. A pass an oral comprehensive exam covering the whole field of Animal Science and area of specialization
ANIMAL SCIENCE PLAN II MASTER'S DEGREE

I. Coursework Requirements

- At least 3 quarters as a full time student
- A minimum of a 3.0 GPA
- At least 36 units of upper-division and graduate courses
  At least 18 of the 36 units required must be strictly graduate courses in the major subject
- At least 9 units of the above 36 units of graduate course work have to be in formal courses
  no more than 9 units of research, i.e. 299 courses or the equivalent may be used to satisfy this requirement.
- A minimum of 2 quarters of graduate seminar, ANS - 290

II. Research experience

A written report in the style of a standard scientific journal in the field must be filed with the
major professor of record who will judge its adequacy in the description of the research and the
presentation of the results

III. Comprehensive Exam

See below
ADVANCEMENT TO CANDIDACY

Every student must file an official application for Advancement to Candidacy after completion of at least one-half of the course requirements for the degree and at least one quarter before completion of all degree requirements. The forms are available from Graduate Studies, Room 20 Mrak Hall, or may be downloaded from the Graduate Studies Website at http://eddie.ucdavis.edu/gspub/forms/m-cand.pdf.

After the candidacy form has been signed by the graduate adviser and thesis chairperson (if Plan I, thesis plan), it is to be returned to Graduate Studies. Graduate Studies sends formal notices of advancement to candidacy to the chair of the committee. A copy of the candidacy application is sent to the graduate staff person for the program files, and to the student. ....

On the candidacy applications the student and graduate adviser agree to and submit a list of the courses the student will take to complete the requirements for the degree under either Plan I or Plan II. If changes need to be made in a student's program for the degree after advancement to candidacy, the graduate adviser must make recommendations for such changes to Graduate Studies.

1. Plan I ....

2. Plan II requires completion of 36 units of upper division and graduate courses and satisfactory performance on a comprehensive final examination.

A. At least 18 of the 36 units required must be strictly graduate courses in the major subject. No more than 9 units of research (299 courses or equivalent) may be used in satisfying the 18-unit graduate course requirement.

B. A comprehensive final examination in the major subject may be written or oral or both according to the rules adopted by the particular graduate program. The student should be informed in advance of the general subject matter on which she/he will be examined.

COMPREHENSIVE EXAMINATION

No student should appear for this examination until after she or he has been advanced to candidacy by Graduate Studies. A student must be registered or in current filing fee status when the examination is taken.

A committee of at least three members selected by the graduate adviser conducts the Master's Comprehensive Examination. Graduate Studies requires a unanimous vote of the committee to pass a student on the comprehensive exam. If a student does not pass the examination the committee may recommend that she/he be reexamined one time. If the graduate adviser concurs, the student may be reexamined. Changes in the composition of the committee may be made only for reasons of clear necessity, e.g. the extended absence of a member from the campus. The examination may not be repeated more than once. A student who does not pass on the second attempt is thereby subject to disqualification from further work as a graduate student in this program. The results of all Masters comprehensive examinations must be reported to Graduate Studies.

1 Information from the Graduate Advisers Handbook, p. 25 - 27 1999-2000
IV. MASTER OF SCIENCE REQUIREMENTS IN THE ANIMAL SCIENCE GRADUATE PROGRAM

A. Master of Science Requirements

1. University Requirements

Plan II: A minimum of 36 units of upper-division and graduate coursework, including a comprehensive final examination. At least 18 units must be in graduate level courses in the major field, with no more that nine of these 18 in research courses. The comprehensive final examination may be written, oral or both.

2) Plan II - A maximum of nine research units will be counted toward the 36-unit requirement. In addition, a written report in the style of a standard scientific journal in the field must be filed with the major professor of record who will judge its adequacy in the description of the research and the presentation of the results. The major professor of record must communicate the adequacy of this report to the Graduate Advisor, in writing.

D. Comprehensice Final Examination

The comprehensive examination will be carried out according to the Bylaws and Operating Procedures of the ASGP. The examination will include the following:

1. Examination in the area of general animal science, covering the biology, feeding, breeding, behavior and physiology of domesticated animals.

2. Examination of a more specialized nature in one of the disciplines of animal science, chosen by the student, with the advice and consent of the Major Professor.

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2 Information from the Bylaws of the Animal Science Graduate Program