

Status: PENDING

PROGRAM REQUEST
Evolution, Ecology & Organismal Biology

Last Updated: Myers, Dena Elizabeth
05/12/2011

Fiscal Unit/Academic Org	Evolution, Ecology & Org Bio - D0390
Administering College/Academic Group	Arts And Sciences
Co-administering College/Academic Group	
Semester Conversion Designation	Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)
Current Program/Plan Name	Evolution, Ecology & Organismal Biology
Proposed Program/Plan Name	Evolution, Ecology & Organismal Biology
Program/Plan Code Abbreviation	EEOB-MS
Current Degree Title	Master of Science

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		45	30.0	30	0.0
Required credit hours offered by the unit	Minimum	45	30.0	30	0.0
	Maximum	45	30.0	30	0.0
Required credit hours offered outside of the unit	Minimum	0	0.0	0	0.0
	Maximum	0	0.0	0	0.0
Required prerequisite credit hours not included above	Minimum	0	0.0	0	0.0
	Maximum	0	0.0	0	0.0

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals •

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? No

A full assessment plan has been submitting using the survey form

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Status: PENDING

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Evolution, Ecology & Organismal Biology

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Does this Program have a Pre-Major? No

Attachments

- MS-EEOB May9.pdf: EEOB MS
(Program Proposal. Owner: Lanno,Roman P.)
- EEOB MS cover letter.doc: NMS Division of Arts and Sciences cover letter
(Letter from the College to OAA. Owner: Andereck,Claude David)

Comments

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Lanno,Roman P.	04/13/2011 12:19 PM	Submitted for Approval
Approved	Lanno,Roman P.	04/13/2011 12:20 PM	Unit Approval
Revision Requested	Andereck,Claude David	04/14/2011 09:51 AM	College Approval
Submitted	Lanno,Roman P.	04/27/2011 02:19 PM	Submitted for Approval
Approved	Lanno,Roman P.	04/27/2011 02:26 PM	Unit Approval
Revision Requested	Andereck,Claude David	05/09/2011 10:15 PM	College Approval
Submitted	Lanno,Roman P.	05/10/2011 12:47 PM	Submitted for Approval
Approved	Lanno,Roman P.	05/10/2011 12:48 PM	Unit Approval
Approved	Andereck,Claude David	05/10/2011 02:29 PM	College Approval
Approved	Myers,Dena Elizabeth	05/12/2011 02:35 PM	GradSchool Approval
Pending Approval	Soave,Melissa A	05/12/2011 02:35 PM	CAA Approval



Division of Natural and Mathematical Sciences

186 University Hall
230 North Oval Mall
Columbus, OH 43210

Phone (614) 292-8908
Fax (614) 247-7498

May 10, 2011

Dena Myers
Graduate School
250 University Hall
230 North Oval Mall
Campus

Dear Dena:

It is a pleasure to forward to you the proposal for the masters program in Evolution, Ecology and Organismal Biology under semesters. The conversion of both the thesis and non-thesis versions is relatively straightforward. In the absence of sequences and multiple required courses, and owing to the highly individualized nature of the program, the transition for a student beginning under quarters should involve no difficulties.

Beyond my own review of the documents, the proposal has been discussed by colleagues from other NMS units at a meeting on April 5, 2011. Feedback from these discussions has been incorporated in the proposal.

If you have any questions, I would be happy to address them.

Sincerely,

A handwritten signature in black ink, appearing to read "David Andereck".

David Andereck
Professor of Physics
Associate Dean of Natural and Mathematical Sciences, College of Arts and Sciences



To: Office of Academic Affairs

From: Dr. Peter S. Curtis, Chair, Department of EEOB

A handwritten signature in black ink, appearing to read "P. Curtis", written over a faint rectangular stamp.

Date: 28 March 2011

Re: Semester Program Proposals for Evolution and Ecology and Zoology majors

The Department of EEOB has the following programs that will be converted from quarters to semesters:

- 1) Undergraduate Zoology Major (BS & BA)
- 2) Undergraduate Evolution & Ecology Major (BS)
- 3) Undergraduate Zoology Minor
- 4) Undergraduate Evolution & Ecology Minor
- 5) Evolution, Ecology and Organismal Biology MS
- 6) Evolution, Ecology and Organismal Biology PhD

This proposal addresses the EEOB MS program.

The EEOB Curriculum Committee, with advisory input from the EEOB Graduate Studies Committee and individual faculty, has been working on the semester conversion for the past academic year. Conversion of the MS program from quarters to semesters will simply be a straight conversion of quarter credit hours to semester credit hours. Many existing graduate courses have been enhanced or re-envisioned and an updated list of EEOB graduate courses suitable for the MS program is provided at the end of this document. Changes to these courses or the introduction of new courses do not affect credit hour requirements for the MS program. Given the individualized nature of MS student plans of study in EEOB and the size of the MS program (approximately 20 students), no additional resources are required during the transition to semesters. The semester conversion of the EEOB MS program was approved unanimously at the EEOB the October 27, 2010 faculty meeting (23-0).

Rationale for Changes to the Evolution, Ecology, and Organismal Biology Master's graduate program from quarters to semesters

The Department of EEOB currently offers a Master's (MS) graduate program in Evolution, Ecology, and Organismal Biology. Under semesters, the EEOB Master's program will not be subject to any major modifications other than adjusting quarter credit hours to semester credit hours.

EEOB Master's graduate program under semesters

General Information

The specific details of our MS program are provided below, and in all cases, is subject to the guidance and rules provided in the Graduate School Handbook. The program for the Master's degree leads to mastery of the fundamental principles in the student's area of interest in the general realm of evolution, ecology, and organismal biology. The program is planned by the student and a member of the EEOB Graduate Faculty who acts as her/his major advisor so as to meet the student's individual needs and interests. The student and advisor select a Committee that is also involved in suggesting courses and planning the graduate program of the student. Further information on important aspects of the program is provided below.

Course requirements

There are few specific course requirements for the EEOB MS program. Courses included in the program of a student are selected by the student with the approval of the advisor and Committee in accordance with the interests of the student and the need to prepare that student for their research project. As a result, there is no specific set of required courses other than as outlined here. The Master's Programs (thesis and non-thesis) include at least 30 graduate credit hours, at least 24 of which must be taken at Ohio State University over a period of at least two semesters. EEOB 8894 must be taken during the first Autumn semester in residence and at least once more during any Winter semester, but does not count as graduate credit course work towards the required 30 graduate credit hours. The thesis Master's must include 16 graduate credit hours, excluding EEOB 6193, 8894, and 6999. Courses that meet this requirement are not restricted to EEOB offerings and are often from different departments (e.g., Statistics, Public Health, SENR, Mathematics), but must be approved for graduate credit as outlined in the Graduate School Handbook. EEOB 8896 counts as graduate credit towards the 30 required credit hours. The non-thesis Master's Program must include 30 graduate credit hours, excluding 8894 and 6999. Up to 7 credit hours of 6193 can be included in a non-thesis Master's Program.

All graduate students are required to enroll in at least one graduate level seminar course each calendar year (not including EEOB 8894). These courses are usually numbered EEOB 8896, but other courses that involve intensive, small-group discussion of the recent primary literature are acceptable. EEOB 8896 courses are limited to 2 credit hours per offering, and students may count any number towards the required 16 graduate credit hours.

Advisor and Committee: Students admitted to the EEOB Master's Graduate Program may have arranged for a major advisor or have been assigned a temporary advisor, but this arrangement should be formalized no later than the end of the student's first semester. A full (**three person**)

Committee, comprising the major advisor and two other members of Graduate Faculty, should be selected by the end of the student's second semester.

Thesis Master's Research Proposal

All thesis Master's students must submit a proposal outlining their thesis research. The student's Committee (Thesis Committee) must approve this proposal. The research proposal serves a number of functions. It ensures that the student has given careful thought to the research project, and helps involve the Thesis Committee with the student's project. Approval of the proposal by the Thesis Committee indicates their belief that the project is likely to succeed. Students in thesis Master's programs should submit a preliminary research proposal to their Thesis Committee by the end of their second semester. The length and content should be decided on in discussion with the Thesis Committee, but would normally include an explanation of the problem being addressed, a literature review, a methods section, preliminary data if available, a discussion of appropriate data analyses, and a description of possible results and their interpretation. A timetable also should be included.

Following review of the proposal, the student's Thesis Committee will either (a) approve the proposal as written, (b) approve the proposal with modifications, or (c) require the student to submit a revised proposal for further Thesis Committee review. As students proceed with their research, minor modifications of the research plan may be implemented without full Thesis Committee approval. Major changes, however, require full Thesis Committee approval. Final approval of the research proposal should be obtained by the end of the fourth semester in residence.

Upon approval of the research proposal, the student must submit an EEOB Department Research Proposal Approval Form, signed by all members of the Thesis Committee, to the Graduate Studies Committee (GSC) Chair. A copy of this form must be given to the Graduate Secretary to be added to the student's file. The Chair of GSC will not sign the Application to Graduate Form until a Proposal Approval has been completed and signed, even if all research has been completed and the student is otherwise ready for the Final Examination.

Time Limit

The Master's Program normally takes less than three years.

Thesis and Non-thesis Plans

Students are admitted to either a thesis or non-thesis Master's Program. Students wishing to change the Master's degree they are working towards must inform the GSC. In addition to being admitted to and successfully completing an EEOB MS program, students may also earn a MS degree by satisfactorily completing their PhD Candidacy Exam in EEOB, as described in the Graduate School Handbook.

Master's Examination Committee

It is recommended that at least two of the three members of the Examination Committee be members of the EEOB Graduate Faculty. Note that the requirement of three committee members in EEOB is one more than the minimum set by the Graduate School.

Master's Examination

The thesis Master's Examination may include a written portion and must include an oral portion. The non-thesis Master's Examination may include an oral portion and must include a written portion of at least four hours.

Ideal Thesis Master's Timetable

Autumn semester

- Enroll in EEOB 8894
- Begin course work to remove any conditions of acceptance
- Begin graduate credit course work. Register for 8 credit hours each semester (4 in summer); 12 credit hours each semester (6 in summer) for fellowship students
- Begin graduate credit course work
- Select research topic
- Finalize major advisor by the end of autumn semester
- Begin preparation of research proposal

Winter semester

- Continue courses to remove any conditions of acceptance
- Continue graduate credit course work
- Take second EEOB 8894 (graduate student presentations)
- Choose and convene meeting with Thesis Committee
- Submit research proposal (signed form to Chair of GSC)

Summer semester

- Continue graduate credit course work
- Begin data collection for thesis research

Succeeding semesters

- Continue research
- 30 graduate credit hours required for graduation, including 16 graduate credit hours not from EEOB 6193, 8894, or 6999

Last semester

- Pick up Master's Degree Procedures/Requirements Checklist from the Graduate School
- Register for 3 or more graduate credit hours
- Schedule Final Examination
- No later than 2nd Friday of semester, submit Application to Graduate to the Graduate School

- At least two weeks prior to defense circulate final thesis draft to Thesis Committee members who sign the Thesis Approval Form.
- Submit final version of thesis to Graduate School

Example of hypothetical Thesis MS schedule under semesters

AUTUMN 2013
 STAT 5310 INT DATA ANALYSIS I 4.0
 EEOB 8894 SEMINAR 1.0
 EEOB 6999 RESEARCH 3.0

SPRING 2014
 STAT 5302 INT DATA ANALYSIS II 3.0
 EEOB 8894 SEMINAR 1.0
 EEOB 8896 SEM ECOLOGY 2.0
 EEOB 6999 RESEARCH 2.0

SUMMER 2014
 EEOB 6999 RESEARCH 4.0

AUTUMN 2014
 BIOCHEM 5613 MOLECULAR BIOL 3.0
 EEOB 8896 SEM EVOLUTION 1.0
 EEOB 6999 RESEARCH 4.0

SPRING 2015
 EEOB 7210 MOLECULAR METHODS 1.0
 STAT 6450 APPL REGRESSION ANLY 4.0
 EEOB 6999 RESEARCH 3.0

SUMMER 2015
 EEOB 8896 SEM WILDLIFE BIOL 1.0
 EEOB 6999 RESEARCH 3.0

AUTUMN 2015
 EEOB 6999 RESEARCH 5.0
 ENTOMOL 6310 INSECT PHYSIOLOGY 3.0

SPRING 2015
 EEOB 6999 RESEARCH 3.0

Satisfactory completion of MS Thesis Exam during Spring 2015 semester

Student name _____ Date _____

M.S. (Thesis) Graduation Requirement Form (Under semesters)

Please bring this completed form to the EEOB Graduate Studies Committee Chair when requesting a signature on the Application to Graduate. A copy of your current Advising Report will be helpful to you as you complete this form.

Requirements:

- EEOB 8894, autumn semester
- EEOB 8894, winter semester
- Graduate seminars (e.g., EEOB 8896) at least one per year

Please list details for these courses below:

Credit hours	Semester and year	Department and Course number
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL	_____

_____ 16 graduate* credit hours, excluding EEOB 6193, 8894, 6999. Please list in Table below. Note that these 16 credit hours include graduate credit hours from seminar (listed above), but you need not list those again here.

Credit hours	Semester and year	Department and Course number
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL	_____

Please continue list on back, if needed

The total minimum number of graduate credit hours required for graduation, including all of those courses and seminars listed above, is 30. We expect that most of these will come from Research credit hours, i.e., EEOB 6999.

SUMMARY OF CREDIT HOURS

Total credit hours	Type of credit hours
_____	EEOB 8894
_____	Seminars
_____	Graduate-level coursework (other than seminars)
_____	EEOB 6999
_____	Other (please describe)
_____	TOTAL

Please attach a current advising report.

*In general, you can receive graduate credit for courses that are numbered 5000 or above in EEOB and 4000 or above in other departments. If it is relevant to your program, you should read "the fine print" included here from the Graduate School Handbook (<http://www.gradsch.ohio-state.edu/Faculty/GSpubs/Handbook.html>):

Non-graduate Credit - A student enrolled in the Graduate School does not earn graduate credit for any of the following reasons:

1. The course is numbered at the 3999-level or below
2. The course is numbered at the 4000-4999 level in the student's own academic unit
3. The course is one of the following foreign language courses: French 5571 and 5572, German 5101 and 5102, Russian 573
4. The course is designated "non-graduate credit" (undergraduate "U" option) by the student's adviser at the time the student registers or adds the course.
5. The course is taught by a graduate student enrolled at this university.

A student registered for a non-graduate-credit course must complete the course requirements. A grade is reported by the instructor. The course title, semester credit hours, and grade appear on the student's official permanent record. The semester credit hours are not included in the cumulative or earned graduate semester credit hours, and the credit points are not included in the cumulative points. The Course Enrollment Permission form or change ticket is marked with a "UG" to indicate that the course is a non-graduate-credit course.

Ideal Non-thesis Master's Timetable

Autumn semester

- Enroll in EEOB 8894
- Begin course work to remove any conditions of acceptance
- Begin graduate credit course work. Register for 8 credit hours each semester (4 in summer); 12 credit hours each semester (6 in summer) for fellowship students
- Begin graduate credit course work
- Finalize major advisor by the end of autumn semester

Winter semester

- Continue graduate credit course work
- Take EEOB 8894 at least once again (graduate student presentations)

Succeeding semesters

- 30 graduate credit hours (excluding 8894 and 6999) required for graduation, not more than 7 of which can be EEOB 6193.

Final semester

- Pick up Master's Procedures/Requirements Checklist from the Graduate School
- Register for 3 or more graduate credit hours
- Schedule Final Examination (four hour written portion is compulsory; oral portion is optional)
- No later than 2nd Friday of semester, submit Application to Graduate to the Graduate School

Example of hypothetical Non-thesis MS schedule under semesters

AUTUMN 2013
 STAT 5310 INT DATA ANALYSIS I 4.0
 EEOB 8894 SEMINAR 1.0
 EEOB 7220 MODELING EVO ECO 4.0

SPRING 2014
 STAT 5302 INT DATA ANALYSIS II 3.0
 EEOB 8894 SEMINAR 1.0
 EEOB 8896 SEM ECOLOGY 2.0
 EEOB 6340 BIODIV INFORMATICS 4.0

SUMMER 2014
 EEOB 6193 GRAD IND STUDIES 4.0

AUTUMN 2014
 BIOCHEM 5613 MOLECULAR BIOL 3.0
 PHYSIOCB 6101 ORGAN SYS PHYSIO I 3.0
 EEOB 8896 SEM EVOLUTION 2.0

SPRING 2015
 PHYSIOCB 6102 ORGAN SYS PHYSIO II 3.0
 EEOB 7210 MOLECULAR METHODS 1.0
 STAT 6450 APPL REGRESSION ANLY 4.0

SUMMER 2015
 EEOB 8896 SEM WILDLIFE BIOL 1.0
 EEOB 6193 GRAD IND STUDIES 3.0

AUTUMN 2015
 EEOB 8999 RESEARCH 5.0
 ENTOMOL 6310 INSECT PHYSIOLOGY 3.0

SPRING 2015
 EEOB 6193 RESEARCH 3.0

Satisfactory completion of Non-thesis MS written exam during Spring 2015 semester

Student name _____ Date _____

M.S. (Non-thesis) Graduation Requirement Form (Under semesters)

Please bring this completed form to the EEOB Graduate Studies Committee Chair when requesting a signature on the Application to Graduate. A copy of your current Advising Report will be helpful to you as you complete this form.

Requirements:

- EEOB 8894, autumn semester
- EEOB 8894, winter, semester
- Graduate seminars (e.g., EEOB 8896) at least one per year

Please list details for these courses below:

Credit hours	Semester and year	Department and Course number
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL	_____

_____ 30 graduate credit hours, not including 8894 and 6999. Up to 7 credit hours of 6193 can be included in a non-thesis Master's Program. Please list in Table below. Note that these 30 credit hours include credit hours from seminar (listed above), but you need not list those again here.

Credit hours	Semester and year	Department and Course number
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL	_____

Please continue list on back, if needed

The total minimum number of graduate semester credit hours required for graduation, including all of those courses and seminars listed above, is 30.

SUMMARY OF CREDIT HOURS

Total credit hours	Type of credit hours
_____	EEOB 8894
_____	Seminars
_____	Graduate credit coursework (other than seminars)
_____	EEOB 6193
_____	Other (please describe)
_____	TOTAL

Please attach a current advising report.

*In general, you can receive graduate credit for courses that are numbered 5000 or above in EEOB and 4000 or above in other departments. If it is relevant to your program, you should read “the fine print” included here from the Graduate School Handbook (<http://www.gradsch.ohio-state.edu/Faculty/GSpubs/Handbook.html>):

Non-graduate Credit - A student enrolled in the Graduate School does not earn graduate credit for any of the following reasons:

1. The course is numbered at the 3999-level or below
2. The course is numbered at the 4000-4999 level in the student’s own academic unit
3. The course is one of the following foreign language courses: French 5571 and 5572, German 5101 and 5102, Russian 573
4. The course is designated “non-graduate credit” (undergraduate “U” option) by the student’s adviser at the time the student registers or adds the course.
5. The course is taught by a graduate student enrolled at this university.

A student registered for a non-graduate-credit course must complete the course requirements. A grade is reported by the instructor. The course title, semester credit hours, and grade appear on the student’s official permanent record. The semester credit hours are not included in the cumulative or earned graduate semester credit hours, and the credit points are not included in the cumulative points. The Course Enrollment Permission form or change ticket is marked with a “UG” to indicate that the course is a non-graduate-credit course.

EEOB Graduate Master's program under quarters

Course requirements

The Master's Programs (thesis and non-thesis) include at least 45 graduate credit hours, at least 36 of which must be taken at Ohio State University over a period of at least three quarters. EEOB 880 must be taken during the first Autumn quarter in residence and at least once more during any Winter quarter. The thesis Master's must include 24 credit hours of formal graduate level course work excluding EEOB 693, 880, and 999. EEOB 880 counts as graded coursework. The non-thesis Master's Program must include 45 credit hours of formal graduate level course work, not including 880 and 999. Up to 10 credit hours of 693 can be included in a non-thesis Master's Program.

All graduate students are required to enroll in at least one graduate level seminar course each calendar year (not including EEOB 880). These courses are usually numbered EEOB 881, but other courses that involve intensive, small-group discussion of the recent primary literature are acceptable. There is no limit on the number of credit hours that may be earned in any given letter designation of EEOB 881. EEOB 881 counts towards the 24 credit hours of graded coursework inside or outside the unit.

Advisor and Committee: The decision to admit a student to the EEOB Graduate Program is based, in part, on the recommendations and support of a temporary advisor. In nearly all cases, this individual will serve as the student's advisor throughout his or her program. Nevertheless, this arrangement should be formalized no later than the end of the student's second quarter. The Thesis Committee comprises the advisor and two other members of Graduate Faculty and should be selected by the end of the student's third quarter.

Research Proposal

All thesis Master's students must submit a proposal outlining their thesis research. The student's Thesis Committee must approve this proposal. The research proposal serves a number of functions. It ensures that the student has given careful thought to the research project, and helps involve the Thesis Committee with the student's project. Approval of the proposal by the Thesis Committee indicates their belief that the project is likely to succeed. Students in thesis Master's programs should submit a preliminary research proposal to their Thesis Committee by the end of their third quarter. The length and content should be decided on in discussion with the Thesis Committee, but would normally include an explanation of the problem being addressed, a literature review, a methods section, preliminary data if available, a discussion of appropriate data analyses, and a description of possible results and their interpretation. A timetable also should be included.

Following review of the proposal, the student's Thesis Committee will either (a) approve the proposal as written, (b) approve the proposal with modifications, or (c) require the student to submit a revised proposal for further Committee review. As students proceed with their research, minor modifications of the research plan may be implemented without full Committee approval. Major changes, however, require full Committee approval. Final approval of the research proposal should be obtained by the end of the fifth quarter in residence.

Upon approval of the research proposal, the student must submit an EEOB Department Research Proposal Approval Form, signed by all members of the Committee, to the Graduate Studies Committee Chair. A copy of this form must be given to the Graduate Secretary to be added to the student's file. The Chair of GSC will not sign the application to graduate Form until a Proposal Approval has been completed and signed, even if all research has been completed and the student is otherwise ready for the Final Examination.

Time Limit

The Master's Program normally takes less than three years.

Thesis and Non-thesis Plans

Students are admitted to either a thesis or non-thesis Master's Program. No other MS degrees are available. Students wishing to change the degree they are working towards must inform the GSC.

Master's Examination Committee

It is recommended that at least two of the three members of the Examination Committee be members of the EEOB Graduate Faculty. Note that the requirement of three committee members in EEOB is one more than the minimum set by the Graduate School.

Master's Examination

The thesis Master's Examination may include a written portion and must include an oral portion. The non-thesis Master's Examination may include an oral portion and must include a written portion of at least four hours.

Ideal Thesis MS Timetable under quarters

First Quarter

- If Fall Quarter, enroll in EEOB 880
- Begin course work to remove any conditions of acceptance
- Begin graduate credit course work. Register for 10 credit hours each quarter (7 in summer); 15 credit hours each semester (10 in summer) for fellowship students
- Select research topic

Second Quarter

- Confirm permanent advisor
- Continue courses to remove any conditions of acceptance
- Continue graduate level course work
- Take second EEOB 880 (graduate student presentations)
- Begin preparation of research proposal

Third Quarter

- Choose a research topic
- Choose and meet with Planning Committee
- Submit research proposal (signed form to Chair of GSC)
- Continue graduate level course work

Fourth Quarter

- Begin data collection for thesis research

Succeeding Quarters

- Continue research
- 45 credits required for graduation, including 24 classroom hours

Last Quarter

- Pick up Master's Degree Procedures/Requirements Checklist from the Graduate School
- Register for 3 or more credit hours
- Schedule Final Examination
- No later than 2nd Friday of quarter, submit Application to Graduate to the Graduate School
- At least two weeks prior to defense circulate final thesis draft to Examination Committee members who sign the Thesis Approval Form.
- Submit final version of thesis to Graduate School

Example of hypothetical Thesis MS schedule under quarters

AUTUMN 2007			
STAT 528	DATA ANALYSIS 1		3.0
EEOB 880	SEMINAR		2.0
EEOB 999	RESEARCH		4.0
WINTER 2008			
STAT 529	DATA ANALYSIS 2		3.0
EEOB 880	SEMINAR		1.0
EEOB 881.04	SEM ECOLOGY		3.0
EEOB 999	RESEARCH		2.0
SPRING 2008			
STAT 530	DATA ANALYSIS 3		4.0
EEOB 999	RESEARCH		5.0
SUMMER 2008			
EEOB 999	RESEARCH		7.0
AUTUMN 2008			
BIOCHEM 613	MOLECULAR BIOL		4.0
EEOB 881.05	SEM EVOLUTION		6.0
WINTER 2009			
EEOB 713	MOLECULAR ECOLOGY		5.0
EEOB 999	RESEARCH		5.0
SPRING 2009			
STAT 645	APPL REGRESSN ANLY		5.0
EEOB 881.07	SEM WILDLIFE BIOL		1.0
EEOB 999	RESEARCH		3.0
SUMMER 2009			
EEOB 999	RESEARCH		7.0
AUTUMN 2009			
EEOB 999	RESEARCH		4.0
ENTOMOL 631	INSECT PHYSIOLOGY		5.0
SPRING 2010			
EEOB 999	RESEARCH		3.0

Satisfactory completion of Thesis MS Exam during Spring 2010 quarter

Ideal Non-thesis MS Timetable under quarters

First Quarter

- If Fall Quarter, enroll in EEOB 880
- Begin course work to remove any conditions of acceptance
- Begin graduate credit course work. Register for 10 credit hours each quarter (7 in summer); 15 credit hours each semester (10 in summer) for fellowship students

Second Quarter

- Find an advisor by the end of second quarter
- Continue graduate level course work
- Take EEOB 880 at least once again

Succeeding Quarters

- 45 credit hours (excluding 880 and 999) required for graduation, not more than 10 of which can be 693.

Final Quarter

- Pick up Master's Procedures/Requirements Checklist from the Graduate School
- Register for 3 or more credits
- Schedule Final Examination (four hour written portion is compulsory; oral portion is optional)
- No later than 2nd Friday of quarter, submit Application to Graduate to the Graduate School

Example of hypothetical Non-thesis MS schedule under quarters

AUTUMN 2007		
STAT 528	DATA ANALYSIS 1	3.0
EEOB 880	SEMINAR	2.0
EEOB 661	CONSERV BIOL	5.0
WINTER 2008		
STAT 529	DATA ANALYSIS 2	3.0
EEOB 880	SEMINAR	1.0
EEOB 881.04	SEM ECOLOGY	2.0
EEOB 695	SEM EVO ECO	3.0
SPRING 2008		
STAT 530	DATA ANALYSIS 3	4.0
EEOB 713	MOLEC ECOL	5.0
SUMMER 2008		
EEOB 693	RESEARCH	7.0
AUTUMN 2008		
BIOCHEM 613	MOLECULAR BIOL	4.0
PHYSIOCB 601	ORGAN SYS PHYSIO 1	5.0
EEOB 881.05	SEM EVOLUTION	1.0
WINTER 2009		
EEOB 713	MOLECULAR ECOLOGY	5.0
PHYSIOCB 602	ORGAN SYS PHYSIO 2	5.0
SPRING 2009		
STAT 645	APPL REGRESSN ANLY	5.0
EEOB 881.07	SEM WILDLIFE BIOL	1.0
EEOB 693	RESEARCH	3.0
SUMMER 2009		
EEOB 693	RESEARCH	7.0
AUTUMN 2009		
EEOB 700	PRINC BIOGEOG	5.0
ENTOMOL 631	INSECT PHYSIOLOGY	5.0
SPRING 2010		
EEOB 693	RESEARCH	3.0

Satisfactory completion of Non-Thesis MS written Exam during Spring 2010 quarter

Student name _____ Date _____

M.S. Graduation Requirement Form (Under quarters)

Please bring this completed form to the EEOB Graduate Studies Committee Chair when requesting a signature on the Application to Graduate. A copy of your current Advising Report will be helpful to you as you complete this form.

Requirements:

- EEOB 880, autumn quarter
- EEOB 880, winter quarter
- Graduate seminars (e.g., EEOB 881) at least one per year

Please list details for these courses below:

Credit hours Quarter and year Department and Course number

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL	_____

____ 24 credit hours of graduate-level* coursework, excluding EEOB 693, 880, 999. Please list in Table below. Note that these 24 credit hours include credit hours from seminar (listed above), but you need not list those again here.

Credit hours Quarter and year Department and Course number

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL	_____

Please continue list on back, if needed

The total minimum number of graduate credit hours required for graduation, including all of those courses and seminars listed above, is 45. We expect that most of these will come from Research credit hours, i.e., EEOB 999.

SUMMARY OF CREDIT HOURS

Total credit hours	Type of credit hours
_____	EEOB 880
_____	Seminars
_____	Graduate-level coursework (other than seminars)
_____	EEOB 999
_____	Other (please describe)
_____	TOTAL

Please attach a current advising report.

*In general, you can receive graduate credit for courses that are numbered 600 or above in EEOB and 500 or above in other departments. If it is relevant to your program, you should read “the fine print” included here from the Graduate School Handbook (<http://www.gradsch.ohio-state.edu/Faculty/GSpubs/Handbook.html>):

II.3.1.4 Non-graduate Credit. A student enrolled in the Graduate School does not earn graduate credit for any of the following reasons:

1. The course is numbered at the 400-level or below
2. The course is numbered at the 500-level in the student’s own academic unit
3. The course is one of the following foreign language courses: French, German, Russian, or Spanish 571, 572, and 573, or Latin 571 and 572
4. The course is designated “U” (undergraduate credit) and/or “P” (professional credit) but not “G” (graduate credit) in the Course Offerings Bulletin.
5. The course is designated “non-graduate credit” (undergraduate “U” option) by the student’s adviser at the time the student registers or adds the course.
6. The course is taught by a graduate student enrolled at this university.

A student registered for a non-graduate-credit course must complete the course requirements. A grade is reported by the instructor. The course title, credit hours, and grade appear on the student’s official permanent record. The credit hours are not included in the cumulative or earned graduate credit hours, and the credit points are not included in the cumulative points. The Course Enrollment Permission form or change ticket is marked with a “U” to indicate that the course is a non-graduate-credit course.

Course listing of EEOB graduate courses suitable for the MS program

Semester course number	Course title	Semester credit hours	Quarter equivalent course number	Quarter credit hours	Notes
5189	Field Work	1-12	EEOB 510 EEOB 513 EEOB 622 EEOB 651 EEOB 657	5 3 5 5 5	Replaces EEOB 510, 513, 622, 651 and 657
5310	Advanced Principles of Evolution	3	EEOB 673	5	Replaces EEOB 673 - Evolutionary processes in plant
5320	Creation and Evolution: Differing Worldviews	3	EEOB 710	5	Replaces EEOB 710 - Creation and Evolution: Differing Worldviews
5410	Aquatic Ecosystems - Ocean Ecology	1.5	EEOB 505	5	Modification of EEOB 505 - Marine biology and ecology
5420	Aquatic Ecosystems - Ecology of Inland Waters	1.5	EEOB 647 EEOB 655	5 5	Modification of EEOB 647 (Plankton) and EEOB 655 (Limnology)
5430	Aquatic Ecosystems - Fish Ecology	1.5	EEOB 626 EEOB 621	5 5	Modification of EEOB 626 - Biology of Fishes and EEOB 621 – Ichthyology
5450	Population Ecology	3	EEOB 671	5	Replaces EEOB 671
5460	Physiological Ecology	3	EEOB 654.01 EEOB 674	4 5	Modification of EEOB 654.01 (Ecological Physiology of Animals) and EEOB 674 (Physiological Ecology of Plants)
5470	Community and Ecosystem Ecology	3	EEOB 720 EEOB 700	5 5	Modification of EEOB 720 (Community Ecology and Ecosystems) and the ecological content of EEOB 700 (Biogeography)
5797	Graduate Study at a Foreign Institution	1-12	EEOB 697	1-15	Replaces EEOB 697 - Study at a foreign institution

5910	Focused biological studies at Stone Lab - reptiles and amphibians	3	EEOB 622	5	Replaces EEOB 622 (Herp)
5920	Focused biological studies at Stone Lab - Aquatic and Wetland Plants	3	EEOB 611	5	Replaces EEOB 611 (Aquat Wetland Flora)
5930	Focused biological studies at Stone Lab - Fishes	3	EEOB 621	5	Replaces EEOB 621 (Ichthyology)
5940	Focused biological studies at Stone Lab - Field Zoology	3	EEOB 651	5	Replaces EEOB 651 (Field Zoo)
5950	Workshops on aquatic organism identification at Stone Lab - Algae	0.5	EEOB 692	1-6	Replaces EEOB 692 (Workshop)
5960	Workshops on aquatic organism identification at Stone Lab - Plankton	0.5	EEOB 692	1-6	Replaces EEOB 692 (Workshop)
5970	Workshops on aquatic organism identification at Stone Lab - Larval Fish	0.5	EEOB 692	1-6	Replaces EEOB 692 (Workshop)
6193	Graduate Individual Studies	1-3	EEOB 693	2-10	Replaces EEOB 693 - Individual studies
6194	Graduate Group Studies	1-3	EEOB 694	2-5	Replaces EEOB 694 - Group studies
6210	Ecotoxicology	2-4	ENT 762	3	Replaces ENT 762 - Environmental toxicology and chemistry
6310	Molecular Evolution	3	EEOB 640	5	Replaces EEOB 640 - the genetic basis of evolution
6320	Principles of Systematics	3	EEOB 861	3	Enhancement of EEOB 861 - Principles of systematic
6330	Phylogenetic Methods	3	ENT 626	3	Enhancement of Ent 626 – Cladistic Methods
6340	Biodiversity Informatics	3			New course
6999	Research for Thesis	1-12	EEOB 999	1-18	Replaces EEOB 999
7210	Molecular Methods in Evolution and Ecology	1	EEOB 713	5	Replaces EEOB 713: Molecular ecology

7220	Modeling in Evolutionary Ecology	4	EEOB 714.01 EEOB 714.02	4 2	Replaces EEOB 714.01 and 714.02 - Theoretical Ecology Lecture and Lab
7310	Studies in Taxonomy	1-4	EEOB 672	5	Replaces EEOB 672 - Taxonomy of Vascular Plants
7410	Ecological Methods II	1	EEOB 513 EEOB 622 EEOB651 EEOB 657 EEOB 671	3 5 5 5 5	Replaces EEOB 513, 622, 651, 657, and 671 (field ecology courses on various topics)
8894	EEOB graduate student seminar	1-2	EEOB 880	1-2	Replaces EEOB 880 – Seminar
8896.01	EEOB graduate seminar: Anatomy and Physiology	1-2	EEOB 881	1-3	Replaces EEOB 881.01 – Seminar on Anatomy and Physiology
8896.02	EEOB graduate seminar: Behavior	1-2	EEOB 881	1-3	Replaces EEOB 881.02 – Seminar on Behavior
8896.03	EEOB graduate seminar: Cell Biology	1-2	EEOB 881	1-3	Replaces EEOB 881.03 – Seminar on Cell Biology
8896.04	EEOB graduate seminar: General Ecology	1-2	EEOB 881	1-3	Replaces EEOB 881.04: Seminar on Ecology
8896.05	EEOB graduate seminar: Evolution	1-2	EEOB 881	1-3	Replaces EEOB 881.05: Seminar on Evolution
8896.06	EEOB graduate seminar: Marine Biology	1-2	EEOB 881	1-3	Replaces EEOB 881.06 – Seminar on Marine Biology
8896.07	EEOB graduate seminar: Wildlife Biology	1-2	EEOB 881	1-3	Replaces EEOB 881.07 – Seminar on Wildlife Biology
8896.08	EEOB graduate seminar: Fisheries Biology	1-2	EEOB 881	1-3	Replaces EEOB 881.08 – Seminar on Fisheries Biology
8896.09	EEOB graduate	1-2	EEOB 881	1-3	Replaces EEOB 881 – Seminars on Selected

	seminar: Ecotoxicology				Topics
8896.10	EEOB graduate seminar: Systematics	1-2	EEOB 881	1-3	Replaces EEOB 881 – Seminars on Selected Topics
8896.11	EEOB graduate seminar: Population Ecology	1-2	EEOB 881	1-3	Replaces EEOB 881.04 – Seminar on Ecology
8896.12	EEOB graduate seminar: Molecular Ecology	1-2	EEOB 881	1-3	Replaces EEOB 881.04 – Seminar on Ecology
8896.13	EEOB graduate seminar: Physiological Ecology	1-2	EEOB 881	1-3	Replaces EEOB 881.04 – Seminar on Ecology
8896.14	EEOB graduate seminar: Aquatic Ecology	1-2	EEOB 881	1-3	Replaces EEOB 881.04 – Seminar on Ecology
8896.15	EEOB graduate seminar: Population Genetics	1-2	EEOB 881	1-3	Replaces EEOB 881– Seminars on Selected Topics
8896.16	EEOB graduate seminar: Developmental Biology	1-2	EEOB 881	1-3	Replaces EEOB 881 – Seminars on Selected Topics
8896.17	EEOB graduate seminar: Invertebrate Zoology	1-2	EEOB 881	1-3	Replaces EEOB 881 – Seminars on Selected Topics
8896.18	EEOB graduate seminar: Behavioral Ecology	1-2	EEOB 881	1-3	Replaces EEOB 881.04 – Seminar on Ecology

Transition Policy: EEOB Master’s program

Master’s students who begin their degree under quarters will not be penalized in any way during the transition to semesters. Since courses and program decisions are determined by discussions between the student and her/his major advisor, the student’s Graduate Advisory Committee, the departmental Graduate Studies Committee, and are specific to the needs of her/his specific area of research, we do not foresee any major difficulties arising during the transition from quarters to

semesters. Credit hours earned under quarters will be converted to semester credit hours using a $2/3$ conversion factor.