ANS 452: Comparative Reproductive Physiology and Biotechnology

In Workflow

1. OUCC Review (courses-curricula@ncsu.edu, aeherget@ncsu.edu, lamarcus@ncsu.edu)
2. 11ANS UG Director of Curriculum (msashwel@ncsu.edu)
3. 11ANS GR Director of Curriculum (bob_petters@ncsu.edu)
4. 11ANS UnderGrad Head (tsee@ncsu.edu)
5. 11ANS Grad Head (bob_petters@ncsu.edu)
6. jbknoll (jbknoll@ncsu.edu)
7. CALS CC Coordinator UG (renutt@ncsu.edu)
8. CALS CC Meeting UG (renutt@ncsu.edu)
9. CALS CC Chair UG (helen_kraus@ncsu.edu)
10. CALS Dean UG (john_dole@ncsu.edu)
11. CALS CC Coordinator GR (renutt@ncsu.edu)
12. CALS CC Meeting GR (renutt@ncsu.edu)
13. CALS CC Chair GR (david Ritchie@ncsu.edu)
14. CALS Final Review GR (renutt@ncsu.edu)
15. CALS Dean GR (john_dole@ncsu.edu)
16. OUCC Review (courses-curricula@ncsu.edu, aeherget@ncsu.edu, lamarcus@ncsu.edu)
17. UCCC Coordinator (courses-curricula@ncsu.edu, aeherget@ncsu.edu, lamarcus@ncsu.edu)
18. UCCC Meeting (courses-curricula@ncsu.edu, aeherget@ncsu.edu, lamarcus@ncsu.edu)
19. UCCC Chair (andy_nowel@ncsu.edu)
20. OUCC Final Signature (barbara_kirby@ncsu.edu)
21. OUCC Final Review (lamarcus@ncsu.edu)
22. ABGS Coordinator (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
23. ABGS Meeting (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
24. ABGS Chair (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
25. Grad Final Review (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
26. PeopleSoft (none)

Approval Path

1. Tue, 14 Jun 2016 18:28:56 GMT
   Li Marcus (lamarcus): Approved for OUCC Review
2. Tue, 14 Jun 2016 18:39:25 GMT
   Melissa Merrill (msashwel): Approved for 11ANS UG Director of Curriculum
3. Tue, 14 Jun 2016 18:51:38 GMT
   Robert Petters (bob_petters): Approved for 11ANS GR Director of Curriculum
4. Tue, 14 Jun 2016 19:34:52 GMT
   Miles See (todd_see): Approved for 11ANS UnderGrad Head
5. Tue, 14 Jun 2016 19:37:39 GMT
   Miles See (todd_see): Approved for 11ANS Grad Head
   Jennifer Knoll (jbknoll): Approved for jbknoll
7. Fri, 12 Aug 2016 17:59:20 GMT
   Robin Clements (renutt): Approved for CALS CC Coordinator UG
8. Fri, 12 Aug 2016 18:01:56 GMT
   Robin Clements (renutt): Approved for CALS CC Meeting UG
   Helen Kraus (helen_kraus): Approved for CALS CC Chair UG
10. Fri, 12 Aug 2016 19:44:50 GMT
John Dole (john_dole): Approved for CALS Dean UG
11. Fri, 12 Aug 2016 20:03:15 GMT
Robin Clements (renutt): Approved for CALS CC Coordinator GR
Robin Clements (renutt): Approved for CALS CC Meeting GR
David Ritchie (david_ritchie): Approved for CALS CC Chair GR
Robin Clements (renutt): Approved for CALS Final Review GR
15. Thu, 18 Aug 2016 21:20:16 GMT
John Dole (john_dole): Approved for CALS Dean GR
16. Thu, 01 Sep 2016 20:45:06 GMT
Li Marcus (lamarcus): Approved for OUCC Review
17. Tue, 06 Sep 2016 17:13:20 GMT
Li Marcus (lamarcus): Approved for UCCC Coordinator
18. Wed, 07 Sep 2016 17:39:50 GMT
Li Marcus (lamarcus): Approved for UCCC Meeting
Andrew Nowel (andy_nowel): Approved for UCCC Chair
Barbara Kirby (barbara_kirby): Approved for OUCC Final Signature
Li Marcus (lamarcus): Approved for OUCC Final Review
22. Mon, 12 Sep 2016 17:58:16 GMT
Melissa Nosbisch (mlnosbis): Approved for ABGS Coordinator
Melissa Nosbisch (mlnosbis): Approved for ABGS Meeting

Date Submitted: Fri, 10 Jun 2016 19:59:36 GMT

**Viewing: ANS 452/ANS 552 : Comparative Reproductive Physiology and Biotechnology**

Changes proposed by: jbknoll

**Change Type**

Minor

**Course Prefix**

ANS (Animal Science)

**Course Number**

452

**Course ID**

000590

**Dual-Level Course**

Yes

**Dual-Level Course Number:**

552

**Cross-listed Course**

No

**Title**
Comparative Reproductive Physiology and Biotechnology

**Abbreviated Title**
Comparative Repro & Biotec

**College**
College of Agriculture and Life Sciences

**Academic Org Code**
Animal Science (11ANS)

**CIP Discipline Specialty Number**
01.0901 Animal Sciences, General

**Term Offering**
Fall Only

**Year Offering**

**Effective Date**

**Previously taught as Special Topics?**
No

**Course Delivery**

**Grading Method**
Graded with S/U option

**Credit Hours**
3

**Course Length**
16 weeks

**Contact Hours (Per Week)**

<table>
<thead>
<tr>
<th>Component Type</th>
<th>Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Course Attribute(s)**

**Course Is Repeatable for Credit**
No

**Instructor Name**
Dr. Charlotte Farin

**Instructor Title**

**Grad Faculty Status**
Course Prerequisites, Corequisites, and Restrictive Statement
None.

Is the course required or an elective for a Curriculum?
No

Catalog Description
Comparative approach to examining aspects of reproductive physiology in selected vertebrate species. Detailed examination of current reproductive biotechnologies and ethical issues associated with the application of reproductive biotechnologies. Credit will not be given for both ANS 452 and ANS (PHY) 552.

Justification for each revision:
This is a dual-level course. We are only adjusting the grad level title and no other information and need the course ID numbers to match (this part is important) so that students will be unable to receive credit for both levels of the course.

Does this course have a fee?
No

Is this a GEP Course?
No

Consultation
Instructional Resources Statement
Course Objectives/Goals
Student Learning Outcomes
Student Evaluation Methods
Topical Outline/Course Schedule
Syllabus
Additional Documentation
Additional Comments

minosbis 9/12/2016: This action is merging the graduate and undergraduate courses onto one ID. The course is already dual-level.

ABGS Reviewer Comments:
-No concerns.

Course Reviewer Comments

iamarcus (Fri, 10 Jun 2016 18:49:46 GMT): Rollback: Rolling back at initiator request - adding learning outcomes, making dual level etc. Thanks!

Key: 214