VMC 908: Advanced Small Animal Surgery

In Workflow
1. 19VMC Grad Head (lizette_hardie@ncsu.edu)
2. CVM CC Coordinator GR (kenuss@ncsu.edu; kasulli6@ncsu.edu)
3. CVM CC Chair GR (sam_jones@ncsu.edu; mark_papich@ncsu.edu)
4. CVM Dean GR (kmmeurs@ncsu.edu; jennifer_neel@ncsu.edu)
5. ABGS Coordinator (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
6. ABGS Meeting (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
7. ABGS Chair (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
8. Grad Final Review (george_hodge@ncsu.edu; lian_lynch@ncsu.edu; mlnosbis@ncsu.edu)
9. PeopleSoft (none)

Approval Path
1. Wed, 07 Sep 2016 19:06:41 GMT
   Elizabeth Hardie (lizette_hardie): Approved for 19VMC Grad Head
2. Mon, 19 Sep 2016 17:51:12 GMT
   Kirk Nuss (kenuss): Approved for CVM CC Coordinator GR
3. Mon, 26 Sep 2016 18:59:13 GMT
   Mark Papich (mark_papich): Approved for CVM CC Chair GR
4. Mon, 26 Sep 2016 19:19:42 GMT
   Jennifer Neel (jennifer_neel): Approved for CVM Dean GR
5. Tue, 04 Oct 2016 12:54:01 GMT
   George Hodge (george_hodge): Approved for ABGS Coordinator
   Melissa Nosbisch (mlnosbis): Approved for ABGS Meeting

New Course Proposal
Date Submitted: Tue, 06 Sep 2016 15:59:51 GMT

Viewing: VMC 908 : Advanced Small Animal Surgery
Changes proposed by: sroe

Change Type
Major

Course Prefix
VMC (Veterinary Medicine - CASS)

Course Number
908

Cross-listed Course
No

Title
Advanced Small Animal Surgery

Abbreviated Title
Advanced Small Animal Surgery

College
College of Veterinary Medicine

Academic Org Code
Teaching - DoCS Department (19VMC)

CIP Discipline Specialty Number
51.2401

CIP Discipline Specialty Title
Veterinary Medicine.

Term Offering
Spring Only

Year Offering
Offered Every Year

Effective Date
Spring 2017

Previously taught as Special Topics?
No

Course Delivery
Face-to-Face (On Campus)

Grading Method
Letter Grade Only

Credit Hours
2

Course Length
13 weeks

Contact Hours
Component Type                  Contact Hours
Lecture                        2

Course Is Repeatable for Credit
No

Instructor Name
Simon Roe

Instructor Title
Professor of Small Animal Orthopaedic Surgery

Grad Faculty Status
Full
## Anticipated On-Campus Enrollment

Open when course_delivery = campus OR course_delivery = blended OR course_delivery = flip

<table>
<thead>
<tr>
<th>Enrollment Component</th>
<th>Per Semester</th>
<th>Per Section</th>
<th>Multiple Sections?</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>70</td>
<td>70</td>
<td>No</td>
<td>Small Animal focus students will likely choose this elective</td>
</tr>
</tbody>
</table>

## Course Prerequisites, Corequisites, and Restrictive Statement

Concurrent enrollment in third year of DVM curriculum

Is the course required or an elective for a Curriculum?

No

## Catalog Description

This course will provide a more advanced approach to the medical and surgical management of selected metabolic, neoplastic, nutritional, immune mediated, developmental and degenerative diseases and traumatic injury of the ophthalmologic, neurologic, dental and musculoskeletal systems of small animals. It is a companion course to material given in VMC961.

## Justification for new course:

As part of the DVM Curriculum revisions, elective courses are being added to allow students to pursue studies in targeted areas of interest within veterinary medicine. Most of the material in this course was previously taught in a required course, but the required course has been reduced in credit hours. This Elective will allow students to further advance their knowledge and case management skills in the surgical disciplines.

VMC 973 is the 4th year clinical surgery course where students work in the hospital. VMC 961 is the core required surgery skills class that prepares for fourth year. VMC 908 runs consecutive to 961 for those students who want more surgery prep. So, both VMC 961 and VMC 908 are prep for the 4th year course, but only 961 is required.

### Does this course have a fee?

No

## Consultation

## Instructional Resources Statement

No new resources are required

## Course Objectives/Goals

The goal of this course is to elaborate on material presented in the core small animal surgical course and provide an opportunity for students to apply this information to case management scenarios. Cases will be selected to emphasize situations that students might encounter in entry-level practice.

## Student Learning Outcomes

By the end of the course, for the most likely diagnoses for diseases and injuries of the neurological, musculoskeletal, and ophthalmological systems, students will be able to:

- Analyze clinical data
- Propose further evaluations needed for the case
- Develop ordered differential diagnosis list
- Describe potential treatment strategies
- Prepare written client instructions for case management
Student Evaluation Methods

<table>
<thead>
<tr>
<th>Evaluation Method</th>
<th>Weighting/Points for Each</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Readings assignments</td>
<td>50%</td>
<td>13 reading assignments--pre-class and post-class readings and quizzes</td>
</tr>
<tr>
<td>Test</td>
<td>50%</td>
<td>Online case based test</td>
</tr>
</tbody>
</table>

Topical Outline/Course Schedule

<table>
<thead>
<tr>
<th>Topic</th>
<th>Time Devoted to Each Topic</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficult neurolocalization cases</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Surgical management of spinal cord disease</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>More complex brain cases</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Neuromuscular and multifocal cases</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Surgical management of the hip</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>External and Internal Fixation</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>More complex injuries – open fractures, surgery of joints</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Surgical management of forelimb conditions</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>(elbow, deformities, carpus, arthrodesis)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surgical management of the stifle</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Eyelid surgery</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Corneal surgery</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Lens surgery</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
<tr>
<td>Complex eye cases</td>
<td>2 hr</td>
<td>Lecture followed by interactive case discussion</td>
</tr>
</tbody>
</table>

Syllabus

VMC_908_Syllabus_2017.pdf

Additional Documentation

Additional Comments

FCCCE 9/15/16: Concerns about 74% of class grade from final. Committee discussed with coordinator and agreed upon 50/50 split. Items updated.

minobis 9/26/2016: Is this an advanced elective from VMC 973: Small Animal Surgery? What is the relation to 973? (Justification has been updated 9/30/2016). No overlapping courses.

ghodge 10/4/2016 Ready for ABGS reviewers.

ABGS Reviewer Comments:

-In the syllabus, it states "Retests will be given only at the instructor's discretion" and "The contents of this syllabus are subject to change. You will receive email notice of any changes" can a faculty member really state these?

Course Reviewer Comments

Key: 7769