CBS 624: Special Problems In Gastrointestinal Physiology

In Workflow

1. 19DVM Grad Head (sam_jones@ncsu.edu; kjsapko@ncsu.edu)
2. CVM CC Coordinator GR (kenuss@ncsu.edu; kjsapko@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 (mlnosbis@ncsu.edu)
6. atbliksl (anthony_blikslager@ncsu.edu)
7. ABGS Meeting (mlnosbis@ncsu.edu)
8. ABGS Chair (mlnosbis@ncsu.edu)
9. Grad Final Review (mlnosbis@ncsu.edu)
10. PeopleSoft (none)

Approval Path

1. Mon, 19 Sep 2016 11:54:02 GMT
   Kathryn Sullivan (kasulli6): Approved for 19DVM Grad Head
2. Fri, 11 Nov 2016 13:03:51 GMT
   Melissa Nosbisch (mlnosbis): Approved for CVM CC Coordinator GR
3. Fri, 11 Nov 2016 13:45:45 GMT
   Samuel Jones (sam_jones): Approved for CVM CC Chair GR
4. Fri, 11 Nov 2016 17:51:33 GMT
   Kathryn Meurs (kmmeurs): Approved for CVM Dean GR
5. Tue, 22 Nov 2016 20:15:44 GMT
   George Hodge (george_hodge): Approved for ABGS Coordinator
6. Tue, 17 Jan 2017 23:01:04 GMT
   Anthony Blikslager (anthony_blikslager): Approved for atbliksl
   Peter Harries (pjharrie): Approved for ABGS Meeting

New Course Proposal

Date Submitted: Fri, 16 Sep 2016 23:33:26 GMT

Viewing: CBS 624 : Special Problems In Gastrointestinal Physiology

Changes proposed by: atbliksl

Change Type
Major

Course Prefix
CBS (Comparative Biological Science)

Course Number
624

Cross-listed Course
No

Title
Special Problems In Gastrointestinal Physiology

**Abbreviated Title**
Gastrointestinal Physiology

**College**
College of Veterinary Medicine

**Academic Org Code**
CVM Deans Office (19DVM)

**CIP Discipline Specialty Number**
51.2501

**CIP Discipline Specialty Title**
Veterinary Sciences/Veterinary Clinical Sciences, General.

**Term Offering**
Fall and Spring

**Year Offering**
Offered Every Year

**Effective Date**
Fall 2017

**Previously taught as Special Topics?**
Yes

**Number of Offerings within the past 5 years**
10

<table>
<thead>
<tr>
<th>Course Prefix/Number</th>
<th>Semester/Term Offered</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 620/820</td>
<td>Fall/ Spring</td>
<td>15</td>
</tr>
</tbody>
</table>

**Course Delivery**
Face-to-Face (On Campus)

**Grading Method**
Credit (S/U)/Audit

**Credit Hours**
1

**Course Length**
15 weeks

**Contact Hours**
(Per Week)
Component Type
Lecture
Contact Hours
1

Course Is Repeatable for Credit
Yes

Total number of completions allowed including the initial offering.
8

Maximum total credit hours allowed
8

Instructor Name
Anthony Blikslager and Jody Gookin

Instructor Title
Professor of Equine Surgery/ Professor of Internal Medicine

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>14</td>
<td>14</td>
<td>No</td>
<td>The minimum expectation is 5 students, and up to 14 students can be accommodated, allowing each student to present 1 journal article in a 15-week term (not including the initial organizational meeting)</td>
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</tbody>
</table>

Course Prerequisites, Corequisites, and Restrictive Statement
Students should be enrolled in a graduate course of study in a field related to or focused on physiology. Undergraduate students require special permission

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

Catalog Description
1 credit for a 1-hour in depth discussion session of current journal articles presented by students on the subject of gastrointestinal physiology. Journals recommended include the American Journal of Physiology, Gut and Gastroenterology. Each session will focus on one student's selected paper. MS students are expected to present 1 paper, and PhD students are expected to present up to 2 papers each semester

Justification for new course:
The course is held at the College of Veterinary Medicine, where the majority of students attending are in the CBS program. The course would be much easier to manage with CBS staff, including course website management, since the CBS office and staff are at the CVM. In addition, this is a course focused specifically on gastrointestinal physiology, rather than a general special topic - so 622 was a number that adhered to NCSU guidelines for creating a new course.
Consultation

Instructional Resources Statement

The faculty will guide the discussion and ask critical questions during each student's presentation, so that all participants can gain as much information as possible from each journal article presented. These articles will be uploaded by the students to the course website approximately 1-week prior to presentation. This will enable all students to study the papers prior to the lecture session.

Course Objectives/Goals

1. Develop an in depth knowledge of the current scientific literature in gastrointestinal physiology
2. Develop critical reading skills
3. Develop the ability to give and interpret a scientific presentation

Student Learning Outcomes

1. Enable students to learn how to critically read the current scientific literature in gastrointestinal physiology
2. Enable student to develop presentation skills using Powerpoint for their selected paper
3. Teach students how to engage in meaningful scientific discussion regarding current topics in gastrointestinal physiology

Student Evaluation Methods

<table>
<thead>
<tr>
<th>Evaluation Method</th>
<th>Weighting/Points for Each</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance</td>
<td>100</td>
<td>Students are expected to attend 87% of the weekly lecture sessions (13 of 15)</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>Journal presentation/ discussion</td>
<td>50-minutes</td>
<td>Weekly presentation of a selected journal article from the scientific literature on gastrointestinal physiology along with an interactive discussion</td>
</tr>
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</table>

Syllabus

CBS622Syllabus2016 (1).docx

Additional Documentation

Additional Comments

This course is taught as a 'journal club' format in which a schedule of participants is created on the first day of class, and students upload an article selected from the scientific literature to present on their selected dates over the semester.

minosbis 11/16/2016: No overlapping courses.

ghoodge 11/22/2016 Comment: Even though it is a special problems course, the course goals and student learning outcomes may need to be refined. Send to ABGS reviewers for their input.

ABGS Reviewer comments:
-Question about the number of allowable completions totaling 1 allowed credit hour. This CAF indicates that this is a 1 credit hour course that students may take up to 8 times, but are only allowed 1 credit on the Plan of Work. Need to confirm and adjust the maximum total credit hours allowed. UPDATE: max total credits changed to 8.
-Grading issues need to be stated more clearly:
  * It seems odd that attendance is the only evaluation item, according to the CIM record. It doesn’t matter if they do a hideous job on their presentations or never participate in class discussions?
  * The above items actually appear in the syllabus grading section, although without any effort to quantify the relative values of the components.
  * The late assignment policy mentions letter grades for assignments, which suggests that presentations ARE graded?
* The attendance policy states that attendance will not be recorded. If this is the case, how can it be used to determine grades (especially if, as the CIF action states) it is the ONLY element of grading?

pjharrie 1/19/18 - the relative proportions of the presentation and attendance grades should be given.

Course Reviewer Comments

atbliksl (Tue, 17 Jan 2017 23:00:54 GMT): The syllabus has been revised to answer questions from the ABGS reviewer. This includes more specifics on class participation. There is a strong element of peer and multiple instructor pressure to prevent students doing a 'hideous job,' which is perhaps why this has never happened. There are certainly presentations where students struggle, which intensifies the questions and discussion. Lat assignment policy has been adjusted, and attendance will be recorded. Please let me know if additional detail is required.

Key: 11690