Report of the University Curriculum Committee  
March 11, 2005

The University Curriculum Committee recommends approval of the following:

1. New Courses

   **BOTN 291. Research. Credit 1 to 4.** Active research of basic nature under the supervision of a Department of Biology faculty member. Prerequisite: Freshman or sophomore classification and approval of instructor.

   **BOTN 491. Research. Credit 1 to 4.** Active research of basic nature under the supervision of a Department of Biology faculty member. Prerequisite: Junior or senior classification and approval of instructor.

   **CPSC 444. Structures of Interactive Information. (3-0). Credit 3.** A systems approach to the programming, design, authoring and theory of hypermedia; object-oriented visual and interactive programming; visual design, including color, space, text and layering; the reference as a metadisciplinary structure; collecting and sampling; ontologies, maps and navigation as means of structuring information; create dynamic hypermedia that is expressive and interpretive. Prerequisites: CPSC 311; junior or senior classification.

   **MATH 436. Introduction to Topology. (3-0). Credit 3.** Metric spaces; continuity of metric spaces; topological spaces; basic notions; separation axioms; compactness; local compactness; connectedness; basic notions in homotopy theory; quotient spaces, paracompactness and topological manifolds. Prerequisites: MATH 220 and 221 or approval of instructor.

   **MATH 482. Research Seminar. (3-0). Credit 3.** Problems, methods and recent developments in mathematics, with emphasis on student projects, and written and oral presentations. May be repeated for credit. Prerequisites: MATH 409 or 415 (may be taken concurrently); junior or senior classification; approval of instructor.

   **MICR 291. Research. Credit 1 to 4.** Active research of basic nature under the supervision of a Department of Biology faculty member. Prerequisite: Freshman or sophomore classification and approval of instructor.

   **MICR 491. Research. Credit 1 to 4.** Active research of basic nature under the supervision of a Department of Biology faculty member. Prerequisite: Junior or senior classification and approval of instructor.

   **ZOOL 291. Research. Credit 1 to 4.** Active research of basic nature under the supervision of a Department of Biology faculty member. Prerequisite: Freshman or sophomore classification and approval of instructor.

   **ZOOL 491. Research. Credit 1 to 4.** Active research of basic nature under the supervision of a Department of Biology faculty member. Prerequisite: Junior or senior classification and approval of instructor.
2. Changes in Course

**GEOP 213. Exploration of the Earth and Moon.**

**Course title**
From: Exploration of the Earth and Moon.
To: Exploration of the Moon.

**Course description**
From: Introductory study of the Earth’s internal constitution; physical basis for the prediction and control of earthquakes; differences in the structure of continental and oceanic crust; exploration of the moon. A relatively non-technical course open to all students.

To: Introduction to geology and geophysics of Earth’s Moon, as compared with Earth; origin or terrestrial planets; origin of the moon; physics of meteor impact; tectonics and volcanism; gravity anomalies; paleomagnetism; Moon’s geologic history; relatively non-technical course.

**Prerequisite**
From: None.
To: GEOL 101 or equivalent or approval of instructor.
Texas A&M University
Departmental Request for a New Course
Undergraduate Graduate Professional
Submit original form and 25 copies. Attach a course syllabus to each.*

1. This course is submitted by the Department of Biology

2. Course prefix, number and complete title of course: BOTN 291

3. Course description (not more than 50 words): Active research of basic nature under the supervision of a Department of Biology faculty member.

4. Prerequisite(s) Freshman or sophomore classification; and instructor approval Cross-listed with

5. Is this a variable credit course? Yes No If yes, from 1 to 4

6. Is this a repeatable course? Yes No If yes, this course may be taken 2 times. Will the course be repeated within the same semester/term? Yes No

7. Has this course been taught as a 489/689? Yes No If yes, how many times? 
Indicate the number of students enrolled for each academic period it was taught.

8. This course will be:
   a. Required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   any Bachelors degree in the life sciences or as approved by other departments

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix Course # Title (exclude punctuation)
    BOTN 291 RESEARCH

    Lect. Lab SCH Subject Matter Content Code Admin. Unit Academic Year FICE Code
    0 0 0 0 0 4

    Do not complete shaded area.

Approval recommended by:
Head of Department Date

Chair, College Review Committee Date

Head of Department (if cross-listed course) Date

Dean of College Date

Submitted to Coordinating Board by:
Dean of College Date

Director of Academic Support Services Date Effective Date

* Attach a syllabus according to the guidelines on the web site www.tamu.edu/courseforms. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.

OAR/AS-697
Instructor:
Faculty member in Biology or affiliated department

Course Description:
Active research of basic nature under the supervision of a Department of Biology faculty member. May be repeated for credit.

Prerequisites:
Freshman or sophomore classification and approval of faculty member

Grading:
Oral presentations with written research paper

Students with Disabilities:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Services for Students with Disabilities, 845-1637.

Academic Integrity Statement:
"An Aggie does not lie, cheat or steal, or tolerate those who do."

Aggie Honor Code:

Please refer to http://www.tamu.edu/aggiehonor for policies and procedures concerning academic integrity.
Texas A&M University
Departmental Request for a New Course
Undergraduate  Graduate  Professional
Submit original form and 25 copies. Attach a course syllabus to each.*

1. This course is submitted by the Department of _____________ Biology _____________

2. Course prefix, number and complete title of course: _______________ BOTN 491 _______________

3. Course description (not more than 50 words): Active research of basic nature under the supervision of Department of Biology faculty member.

4. Prerequisite(s) Junior or senior classification; and instructor approval Cross-listed with _______________

5. Is this a variable credit course? Yes  No  If yes, from ______ to ______

6. Is this a repeatable course? Yes  No  If yes, this course may be taken ______ times. Will the course be repeated within the same semester/term? Yes  No

7. Has this course been taught as a 489/689? Yes  No  If yes, how many times? ________ Indicate the number of students enrolled for each academic period it was taught.

8. This course will be:
   a. Required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography) any Bachelors degree in the life sciences or as approved by other departments

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix | Course # | Title (exclude punctuation) | BOTN 491 RESEARCH |

<table>
<thead>
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<th>Lect.</th>
<th>Lab</th>
<th>SCH</th>
<th>Subject Matter Content Code</th>
<th>Admin. Unit</th>
<th>Academic Year</th>
<th>FICE Code</th>
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<td>4</td>
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<td>010366</td>
</tr>
</tbody>
</table>

Do not complete shaded area

Approval recommended by:

Head of Department ______________________ Date 3/19/05

Chair, College Review Committee ______________________ Date 3/19/05

Head of Department (if cross-listed course) ______________________ Date 3/19/05

Dean of College ______________________ Date 3/19/05

Submitted to Coordinating Board by: Dean of College ______________________ Date

Director of Academic Support Services ______________________ Date Effective Date

* Attach a syllabus according to the guidelines on the web site www.tamu.edu/courseforms. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.

OAR/AS-6/97
Instructor:
Faculty member in Biology or affiliated department

Course Description:
Active research of basic nature under the supervision of a Department of Biology faculty member. May be repeated for credit.

Prerequisites:
Junior or senior classification and approval of faculty member

Grading:
Oral presentations with written research paper

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Aggie Honor Code:

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Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and 25 copies. Attach a course syllabus to each. *

1. This request is submitted by the Department of Mathematics

2. Course prefix, number and complete title Math 436, Introduction to Topology

3. Course description (not more than 50 words) Metric Spaces; Continuity on metric spaces; Topological spaces; Basic notions; Separation axioms; Compactness; Local compactness; Connectedness; Basic notions in homotopy theory; Additional topics as time permits: Quotient spaces, Paracompactness, and topological manifolds.

4. Prerequisite(s) Math 220 and 221 or consent of instructor

5. Is this a variable credit course? ☐ Yes ☑ No If yes, from ________ to ________

6. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken ________ times. Will the course be repeated within the same semester/term? ☐ Yes ☑ No

7. Has this course been taught as a 489/689? ☐ Yes ☑ No If yes, how many times? ________ Indicate the number of students enrolled for each academic period it was taught. ________

8. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BA in Math, BS and APMS in Math

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix Course # Title (exclude punctuation)
    MATH 436 INTRODUCTION TO TOPOLOGY

    | Lect. | Lab | SCH | Subject Matter Content Code | Admin. Unit | Acad. Year |
    |-------|-----|-----|-----------------------------|-------------|------------|
    | 3     | 0   |     |                             |             | 010366     |

FICE Code

Do not complete shaded area.

Approval recommended by:

Head of Department Date

Chair, College Review Committee Date

Head of Department (if cross-listed course) Date

Dean of College Date

Submitted to Coordinating Board by: Dean of College Date

Director of Academic Support Services Date Effective Date

* Attach a syllabus according to the guidelines on the Internet site www.tamu.edu/admissions/oaras. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.
- Math 436 -
INTRODUCTION TO TOPOLOGY

INSTRUCTOR: 
Dr. Paulo Lima-Filho 
Office: Milner 331 
Phone: 5-1981 
e-mail: plfilho@math.tamu.edu

PREREQUISITES: Math 220 and Math 221 or permission of the instructor.


OBJECTIVES: This course provides an introduction to Topology, covering in detail basic concepts in point-set topology. It provides a solid background for the graduate topology sequence: Math 636-637.

TOPICS:

i Metric spaces: Open and closed sets, interior points, sequences, completeness, Baire category theorem;

ii Continuity on metric spaces: Equivalent formulations, uniform continuity, contractions and Banach fixed point theorem;

iii Topological spaces: Open and closed sets, bases and subbases, local bases, countability axioms, 1st and 2nd countable spaces, Lindelof and separable spaces;

iv Basic notions: Continuous functions, homeomorphisms, glueing lemma, product and subspace topologies;

v Separation axioms: T0, T1, T2, T3 and T4 spaces; Hausdorff, regular, normal and completely regular spaces; Urysohn's Lemma and metrization theorem, Tietze's extension theorem;

vi Compactness: Compact spaces, compactness in metric spaces, Heine-Borel property;

vii Local compactness: Locally compact spaces, one-point compactification, Baire category theorem;

viii Connectedness: Connected and path-connected spaces;

ix Basic notions in homotopy theory: Homotopy relations, contractibility, fundamental group, applications.

x Additional topics: Time permitting, we will discuss quotient spaces, the notion of paracompactness and topological manifolds.

HOMEWORK PROBLEMS:

Chapter 2: 4, 7, 9, 10, 12, 13, 14, 16
Chapter 3: 2, 3, 5, 8, 10
Chapter 4: 1, 4, 6, 7, 8
Chapter 5: 2, 6, 8, 10, 12, 13, 15, 18, 20
Chapter 6: 2, 3, 6, 9, 11, 13
Chapter 7: 2, 3, 4, 6, 8, 11
Chapter 8: 2, 4, 6
Chapter 9: 3, 4, 5, 7
Chapter 10: 2, 4, 6, 8
Chapter 12: 1, 2, 3, 4, 5, 6
POLICIES:

Grading: The course grading will be based on the results of 2 exams, one Final Exam, a take-home project and homeworks. The grade distribution is explained in the table below:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points Worth</th>
<th>Range</th>
<th>Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam I</td>
<td>100 pts</td>
<td>≥480 pts</td>
<td>A</td>
</tr>
<tr>
<td>Exam II</td>
<td>100 pts</td>
<td>420 ≤ pts &lt; 480</td>
<td>B</td>
</tr>
<tr>
<td>Exam III</td>
<td>100 pts</td>
<td>360 ≤ pts &lt; 420</td>
<td>C</td>
</tr>
<tr>
<td>Project</td>
<td>100 pts</td>
<td>300 ≤ pts &lt; 360</td>
<td>D</td>
</tr>
<tr>
<td>Final Exam</td>
<td>150 pts</td>
<td>pts &lt; 300</td>
<td>F</td>
</tr>
</tbody>
</table>

Americans with Disabilities Act (ADA) Policy Statement

The following ADA Policy Statement (part of the Policy on Individual Disabling Conditions) was submitted to the University Curriculum Committee by the Department of Student Life. The policy statement was forwarded to the Faculty Senate for information.

The Americans with Disabilities Act (ADA) is a federal antidiscrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building call 845-1637.

Aggie Honor Code

"An Aggie does not lie, cheat, or steal or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the Texas A&M University community from the requirements or the processes of the Honor System. For additional information please visit: www.tamu.edu/aggiehonor/

On all course work, assignments, and examinations at Texas A&M University, the following Honor Pledge shall be preprinted and signed by the student:

"On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work."
Texas A&M University

Departmental Request for a New Course

Undergraduate · Graduate · Professional

Submit original form and 25 copies. Attach a course syllabus to each.*

1. This request is submitted by the Department of Mathematics

2. Course prefix, number and complete title Math 482, Research Seminar

3. Course description (not more than 50 words) Problems, methods, and recent developments in mathematics, with emphasis on student projects, and written and oral presentations. This course may be repeated for credit as content varies.

   Math 409 or 415 (may be taken concurrently)

4. Prerequisite(s) Jr/Sr status, consent of instructor Cross-listed with

5. Is this a variable credit course? ☐ Yes ☑ No If yes, from ________ to ________

6. Is this a repeatable course? ☑ Yes ☐ No If yes, this course may be taken _______ times. Will the course be repeated within the same semester/term? ☐ Yes ☑ No

7. Has this course been taught as a 489/689? ☑ Yes ☐ No If yes, how many times? ______ Indicate the number of students enrolled for each academic period it was taught. 9 (Spring 2004)

8. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BA, BS in Mathematics, APMS

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix Course # Title (exclude punctuation)

    MATH 482 RESEARCH SEMINAR

    Lect. Lab SCH Subject Matter Code Admin. Unit Acad. Year FICE Code
    3 0 ______ _______ - - 0 1 0 3 6 6

Do not complete shaded area.

Approval recommended by:

Head of Department 2/8/05 Chair, College Review Committee 2/21/05

Head of Department (if cross-listed course) 2/21/05

Submitted to Coordinating Board by:

Dean of College 2/21/05

Director of Academic Support Services Date Effective Date

* Attach a syllabus according to the guidelines on the Internet site www.tamu.edu/admissions/saras. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.
MATH 482
Research Seminar

Instructor: Dr. David R. Larson
Office: 620A Blocker
Email: larson@math.tamu.edu

Course Description [3 credits]: Topics in one or more area of mathematics including: algebra, analysis, applied math, geometry, topology, and teaching. Intensive introduction to creative mathematical activities. Intensive instruction on writing reports, and preparing and giving oral presentations. For students with no prior math research experience, this course will provide pre-REU mentoring, possibly leading to student participation in a formal summer REU (research experience for undergraduates) program. For students with prior math research experience, this course will provide post-REU mentoring, which may include preparation research talks to be given at student and professional conferences, and preparation of student articles to be submitted for publication in undergraduate research journals. An advanced student will be given the opportunity to start a new direction of creative activity, or to continue work on an existing research project.

Texts: Notes and journal articles will be provided by the instructor, and books will be loaned as needed.

Prerequisites: Permission of instructor; either Math 409 or Math 415 (may be taken concurrently); junior or senior standing.

Preparation: Any student who has taken part in an REU or VIGRE experience will be very well prepared for this course. Students who are not yet ready for such an experience, but who want some preparation for it, and who are willing to do some work on either a project or a presentation of a suggested mathematical topic, are encouraged to take this course.

Homework: Each student is required to complete a written project and an oral presentation. The project and presentation may be on an individual or a team basis. Additional homework will be assigned when a new topic is introduced. However, most student work in the course will be project-oriented.

Grading: Grades will be based on individual or team oral and/or written presentations, individual or team projects, homework, written and oral quizzes, and attendance. The basis for grading will be: project 30%; written presentations and written homework 35%; oral presentations and quizzes 35%. Scale: A = 90%, B = 80%, C = 70%, D = 60%. Attendance is mandatory.
Credit: This course may be taken at most twice for credit: normally once as a pre-REU student and once as a post-REU student.

Americans with Disabilities Act (ADA) Policy Statement

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Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the Texas A&M University community from the requirements or the processes of the Honor System. For additional information please visit: www.tamu.edu/aggiehonor/

On all course work, assignments, and examinations at Texas A&M University, the following Honor Pledge shall be preprinted and signed by the student:

"On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work."
Texas A&M University
Departmental Request for a New Course
Undergraduate  Graduate  Professional
Submit original form and 25 copies. Attach a course syllabus to each.*

1. This course is submitted by the Department of  Biology

2. Course prefix, number and complete title of course:  MICR 291

3. Course description (not more than 50 words):  Active research of basic nature under the supervision of a Department of Biology faculty member.

4. Prerequisite(s) Fresh. or Soph. classification; and instructor approval Cross-listed with

5. Is this a variable credit course?  Yes  No  If yes, from __________ to __________

6. Is this a repeatable course  Yes  No  If yes, this course may be taken ___ times. Will the course be repeated within the same semester/term?  Yes  No

7. Has this course been taught as a 489/689?  Yes  No  If yes, how many times? __________

8. This course will be:
   a. Required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography) any Bachelors degree in the life sciences or as approved by other departments

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix | Course # | Title (exclude punctuation)
    MICR   | 291   | RESEARCH

Lect.  Lab  SCH  Subject Matter Content Code  Admin. Unit  Academic Year  FICE Code
0 0 0 0 0 4

Approval recommended by:
Head of Department  Date  Chair, College Review Committee  Date
Head of Department (if cross-listed course)  Date  Dean of College  Date

Submitted to Coordinating Board by:  Dean of College  Date

Director of Academic Support Services  Date  Effective Date

* Attach a syllabus according to the guidelines on the web site www.tamu.edu/courseforms. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.
OAR/AS-6/97
MICR291: Research
Course Information

Instructor:
Faculty member in Biology or affiliated department

Course Description:
Active research of basic nature under the supervision of a Department of Biology faculty member. May be repeated for credit.

Prerequisites:
Freshman or sophomore classification and approval of faculty member

Grading:
Oral presentations with written research paper

Students with Disabilities:
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Texas A&M University
Departmental Request for a New Course
Undergraduate  Graduate  Professional
Submit original form and 25 copies. Attach a course syllabus to each.*

1. This course is submitted by the Department of Biology

2. Course prefix, number and complete title of course: MICR 491

3. Course description (not more than 50 words): Active research of basic nature under the supervision of a Department of Biology faculty member.

4. Prerequisite(s) Junior or senior classification; and instructor approval Cross-listed with

5. Is this a variable credit course? Yes  No If yes, from 1 to 4

6. Is this a repeatable course? Yes  No If yes, this course may be taken 2 times. Will the course be repeated within the same semester/term? Yes  No

7. Has this course been taught as a 489/689? Yes  No If yes, how many times? Indicate the number of students enrolled for each academic period it was taught.

8. This course will be:
   a. Required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography) any Bachelors degree in the life sciences or as approved by other departments

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix  Course #  Title (exclude punctuation)
    M  I  C  R  4  9  1  R  E  S  E  A  R  C  H

    Lect.  Lab  SCH  Subject Matter Content Code  Admin. Unit  Academic Year  FICE Code
    0  0  0  0  4  0  1  0  3  6  6

Do not complete shaded area

Approval recommended by:

Head of Department  Date  Chair, College Review Committee  Date

Head of Department (if cross-listed course)  Date  Dean of College  Date

Submitted to Coordinating Board by:  Dean of College  Date

Director of Academic Support Services  Date  Effective Date

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OAR/AS-6/97
MICR491: Research
Course Information

Instructor:
Faculty member in Biology or affiliated department

Course Description:
Active research of basic nature under the supervision of a Department of Biology faculty member. May be repeated for credit.

Prerequisites:
Junior or senior classification and approval of faculty member

Grading:
Oral presentations with written research paper

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Texas A&M University

Departmental Request for a New Course

Undergraduate  Graduate  Professional

Submit original form and 25 copies. Attach a course syllabus to each.*

1. This course is submitted by the Department of ____________ Biology ____________

2. Course prefix, number and complete title of course: ____________ ZOOL 291 ____________

3. Course description (not more than 50 words): ____________ Active research of basic nature under the supervision of a Department of Biology faculty member. ____________

4. Prerequisite(s) Fresh. or Soph. classification; and instructor approval Cross-listed with

5. Is this a variable credit course? Yes No If yes, from ____________ to ____________

6. Is this a repeatable course? Yes No If yes, this course may be taken ____________ times. Will the course be repeated within the same semester/term? Yes No

7. Has this course been taught as a 489/689? Yes No If yes, how many times? ____________ Indicate the number of students enrolled for each academic period it was taught. ____________

8. This course will be:
   a. Required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   any Bachelors degree in the life sciences or as approved by other departments

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10. Prefix | Course # | Title (exclude punctuation) 

    ZOOL 291 | RESEARCH

    Lect. | Lab | SCH | Subject Matter Content Code | Admin. Unit | Academic Year | FICE Code

    0 | 0 | 0 | 0 | 4 | ____________ | ____________ | ____________ | ____________ | 0 | 1 | 0 | 3 | 6 | 6

    Approval recommended by:

    Head of Department ____________ Date ____________ ____________

    Chair, College Review Committee ____________ Date ____________ ____________

    Head of Department (if cross-listed course) ____________ Date ____________ ____________

    Dean of College ____________ Date ____________ ____________

    Submitted to Coordinating Board by: ____________ Dean of College ____________ Date ____________ ____________

    Director of Academic Support Services ____________ Date ____________ Effective Date ____________

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OAR/AS-6/97
**ZOOL291: Research**

**Course Information**

**Instructor:**
Faculty member in Biology or affiliated department

**Course Description:**
Active research of basic nature under the supervision of a Department of Biology faculty member. May be repeated for credit.

**Prerequisites:**
Freshman or sophomore classification and approval of faculty member

**Grading:**
Oral presentations with written research paper

**Students with Disabilities:**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Services for Students with Disabilities, 845-1637.

**Academic Integrity Statement:**
"An Aggie does not lie, cheat or steal, or tolerate those who do."

**Aggie Honor Code:**

Please refer to [http://www.tamu.edu/aggiehonor](http://www.tamu.edu/aggiehonor) for policies and procedures concerning academic integrity.
Texas A&M University

Departmental Request for a New Course

Undergraduate  Graduate  Professional

Submit original form and 25 copies. Attach a course syllabus to each.*

1. This course is submitted by the Department of Biology

2. Course prefix, number and complete title of course: ZOOL 491

3. Course description (not more than 50 words): Active research of basic nature under the supervision of a Department of Biology faculty member.

4. Prerequisite(s) Junior or senior classification; and instructor approval Cross-listed with

5. Is this a variable credit course? Yes No If yes, from ___ to ___

6. Is this a repeatable course? Yes No If yes, this course may be taken ___ times. Will the course be repeated within the same semester/term? Yes No

7. Has this course been taught as a 489/689? Yes No If yes, how many times? __________ Indicate the number of students enrolled for each academic period it was taught.

8. This course will be:
   a. Required for students enrolled in the following degree program(s) (e.g., B.A. in History)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography) any Bachelors degree in the life sciences or as approved by other departments

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix  Course #  Title (exclude punctuation)
    ZOOL 491 RESEARCH

    Lect. Lab SCH Subject Matter Content Code Admin. Unit Academic Year FICE Code
    0 0 0 0 0 4

    Approval recommended by:

    Head of Department Date
    Chair, College Review Committee Date
    Head of Department (if cross-listed course) Date
    Dean of College Date

    Submitted to Coordinating Board by: Dean of College Date

    Director of Academic Support Services Date Effective Date

* Attach a syllabus according to the guidelines on the web site www.tamu.edu/courseforms. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.

OAR/AS-6/97
ZOOL491: Research
Course Information

Instructor:
Faculty member in Biology or affiliated department

Course Description:
Active research of basic nature under the supervision of a Department of Biology faculty member. May be repeated for credit.

Prerequisites:
Junior or senior classification and approval of faculty member

Grading:
Oral presentations with written research paper

Students with Disabilities:
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Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional

- Submit original form and 2 copies -

1. This request is submitted by the Department of Geology & Geophysics

2. Course prefix, number and complete title of course: GEOP 213 - Exploration of the Earth and Moon

3. Change requested:
   a) Prerequisite(s): From none To GEOL 101 or equivalent; or approval of instructor
   b) Withdrawal (reason)
   c) Cross-list with Cross-listed courses require the signatures of both department heads.
   d) Change in course title and description. Enter complete current course title and current course description; complete proposed course title and proposed course description in items 4 and 5.
   e) Change in credit/contact hours. Complete item 6b. Underscore change(s). Attach a course syllabus.*

4. Complete current course title and current course description: GEOP 213 - Exploration of the Earth and Moon
   Introductory study of the Earth's internal constitution; physical basis for the prediction and control of
   earthquakes; differences in the structure of continental and oceanic crust; exploration of the moon. A
   relatively non-technical course open to all students.

5. Complete proposed course title and proposed course description (not to exceed 50 words): GEOP 213 -
   Exploration of the Moon - Introduction to geology and geophysics of Earth's Moon, as compared with
   Earth; origin of terrestrial planets, origin of the moon, physics of meteor impact, tectonics and volcanism,
   gravity anomalies, paleomagnetism, and the Moon's geologic history. A relatively non-technical course.

6. a) As currently in course inventory:
   
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   b) Changed to:
   
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</table>
   Approval recommended by:
   
   [Signature]
   
   Head of Department Date
   [Signature]
   Chain College Review Committee Date
   [Signature]
   Head of Department (if cross-listed course) Date
   Dean of College Date
   
   Submitted to Coordinating Board by:
   
   Dean of College Date
   
   Director of Academic Support Services Date
   Effective Date

* Attach a syllabus according to the guidelines on the Internet site www.tamu.edu/admissions/oaras. To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.