THE FACULTY SENATE

October 17, 1997

Dr. Ray M. Bowen
President
Texas A&M University

Dear President Bowen:

At its regular meeting held October 13, 1997 the Faculty Senate considered and approved the following proposal from the University Curriculum Committee:

Changes in Curriculum: College of Agriculture and Life Sciences
Department of Rangeland Ecology and Management
B.S. In Rangeland Ecology and Management

Enclosed is the information considered by the Senate. Please inform me of your decision on this recommendation.

Sincerely yours,

Wayne E. Wylie
Speaker, 1997-98

Enclosure

pc: Dr. Ronald G. Douglas, Executive Vice President & Provost
    Dr. R. Bruce Simpson, Chair, Curriculum Committee
    Ms. Linda F. Lacey, Director of Academic Support Services

APPROVED

DATE

FACULTY SENATE RECEIVED

11/3/97

TEXAS A&M UNIVERSITY COLLEGE STATION, TEXAS 77843-1225 TEL. 409/845-9528 FAX 409/845-6445
MEMORANDUM

TO:      Dr. Wayne Wylie, Speaker
         The Faculty Senate

SUBJECT: Graduate Faculty Membership

I have considered the proposed changes regarding graduate faculty membership as forwarded to me by action of the Faculty Senate. Two points need clarification before I act on the recommendations. First, the policy needs to address the status of Galveston faculty or staff who are involved in graduate education. Second, college requirements for graduate faculty membership in excess of those listed in the policy should have the approval of the Provost. As soon as these points are addressed in the policy, I will be pleased to receive the revised version. Thank you.

Ray M. Bowen

xc:      Dr. Ronald G. Douglas
         Dr. William L. Perry
         Dr. Robert A. Kennedy
         Dr. Dan H. Robertson

FACULTY SENATE
RECEIVED
NOV 07 1997
Report of the University Curriculum Committee
September 12, 1997

The University Curriculum Committee recommends approval of the following:

Changes in Curriculum

**College of Agriculture and Life Sciences**
Department of Rangeland Ecology and Management
B.S. In Rangeland Ecology and Management
MEMORANDUM

TO: Dr. Karen Kubena, Associate Dean
College of Agriculture and Life Sciences

THROUGH: Dr. Robert W. Knight, Chair
COALS Undergraduate Program Council

FROM: Dr. Robert E. Whitson, Professor and Head
Department of Rangeland Ecology and Management

SUBJECT: Proposed Curriculum, Course Changes and New Courses in Rangeland Ecology and Management

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The following changes are planned for the 1998-1999 catalog:

1. RLEM 314 will be required for all majors
2. RLEM 415 or RENR 410 requirement will be moved from the list of directed electives to the RLEM Core
3. Currently the curriculum requires an organic chemistry/biochemistry elective. This requirement is being changed to a science elective with 3 credit hours to be selected from the following list: ANSC 303, BICH 303, CHEM 102, 222, 227, GENE 301, 310, 320; PHYS 201; ZOOL 107
4. Drop RLEM 312 and incorporate the material from that class into RLEM 316 and 401, which will both become 3 credit hour classes
5. RLEM 317 will be reduced to 2 credit hours
6. Rangeland Resources Option free electives will remain at 10 credit hours and the directed electives will be at 24 credit hours
7. Ranch Management Option will have ANSC 433 dropped as a required class and added to the list of directed electives; ANSC 302 requirement will be replaced by an Advanced Livestock Management course elective; RLEM 421 class will be dropped as a required class; these changes will bring the number of free electives on this option up to 6 credit hours.
8. RLEM 484 (new course) will be added as an elective
9. RENR 405 (new course) will be added as an elective

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for future career opportunities.

If you have any questions or need more information, please contact me at 845-5579.
# 1997-98 UNDERGRADUATE CATALOG

## CORE COURSES

### University Core Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGEC 105</td>
<td>Introduction to Agricultural Economics (3-0)</td>
<td>3</td>
</tr>
<tr>
<td>BOTN 101</td>
<td>Botany (3-3)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>Fundamentals of Chemistry (3-0)</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Fundamentals of Chemistry Laboratory (0-3)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric (3-0)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Business Math (3-0) or MATH 166</td>
<td>3</td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Math (3-0) or MATH 131</td>
<td>6</td>
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<tr>
<td>POLS 206 &amp; 207</td>
<td>Public Speaking (3-0)</td>
<td>3</td>
</tr>
<tr>
<td>SCOM 203</td>
<td>Social Science Elective¹</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Electives²</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>American and Texas History Electives³</td>
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<tr>
<td>Computer Usage Skill⁴</td>
<td></td>
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<tr>
<td>Foreign Language Skill⁵</td>
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<tr>
<td>KINE 199</td>
<td>Required Physical Education</td>
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### Rangeland Ecology and Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RLEM 102</td>
<td>Introduction to Rangeland Systems (1-0)</td>
<td>1</td>
</tr>
<tr>
<td>RLEM 203</td>
<td>Agrostology (1-4)</td>
<td>2</td>
</tr>
<tr>
<td>RLEM 204</td>
<td>Rangeland Plant Taxonomy (2-6)</td>
<td>4</td>
</tr>
<tr>
<td>RLEM 301</td>
<td>Range and Forest Watershed Management (2-2)</td>
<td>3</td>
</tr>
<tr>
<td>RLEM 312</td>
<td>Vegetation Response to Herbivory (2-0)</td>
<td>2</td>
</tr>
<tr>
<td>RLEM 315</td>
<td>Vegetation Inventory and Analysis (2-2)</td>
<td>3</td>
</tr>
<tr>
<td>RLEM 316</td>
<td>Rangeland Communities and Ecosystems (2-0)</td>
<td>2</td>
</tr>
<tr>
<td>RLEM 317</td>
<td>Rangeland Vegetation Manipulation (3-0)</td>
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</tr>
<tr>
<td>RLEM 320</td>
<td>Landscape Restoration (1-2)</td>
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<tr>
<td>RLEM 401</td>
<td>Grazing Dynamics of Domestic and Wild Herbivores (1-3)</td>
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<tr>
<td>RLEM 481</td>
<td>Seminar (1-0)</td>
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## Technical Support

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AGRO 301</td>
<td>Soil Science (3-2)</td>
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<tr>
<td>AGRO 310</td>
<td>Soil Morphology and Interpretations (1-3)</td>
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<tr>
<td>Organic Chemistry or Biochemistry Elective</td>
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<tr>
<td>PPHY 313</td>
<td>Intro. to Plant Physiology (3-0)</td>
<td>3</td>
</tr>
<tr>
<td>RENR 201</td>
<td>Computer Applications in Agriculture (2-2)</td>
<td>3</td>
</tr>
<tr>
<td>RENR 205</td>
<td>Fundamentals of Ecology (3-0)</td>
<td>1</td>
</tr>
<tr>
<td>RENR 215</td>
<td>Fundamentals of Ecology - Laboratory (0-3)</td>
<td>19</td>
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</tbody>
</table>

### SUBTOTAL⁶

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
</tr>
</tbody>
</table>

¹ Course selections must satisfy University Core Curriculum.
² Three hours credit by examination may be used for one of POLS 206 or POLS 207 and(or) 3 hours of Military Science and(or) military experience may be substituted for one of these.
³ Students entering the University will have completed one course in computer science or will demonstrate proficiency through an exam. Otherwise, a computer usage course must be taken for University credit.
⁴ Students entering the University will have completed two years of a foreign language in high school or will demonstrate proficiency in a second language other than English. Otherwise, a two semester sequence must be taken for University credit.
⁵ A total of 132 Semester hours will be required for a B.S. degree. A student must select an option from within the Rangeland Ecology and Management curriculum outlined on the following pages. These options provide a capacity for specialization in a field of interest.
### RANCH MANAGEMENT OPTION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AGEC 325</td>
<td>Principles of Farm and Ranch Management (2-2)</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 107</td>
<td>General Animal Science (3-0)</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 108</td>
<td>General Animal Science (0-2)</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 320</td>
<td>Animal Nutrition and Feeding (3-0)</td>
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</tr>
<tr>
<td>ANSC 302</td>
<td>Basic Beef Cattle Production (3-0)</td>
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</tr>
<tr>
<td>ANSC 433</td>
<td>Reproduction in Farm Animals (2-2)</td>
<td>3</td>
</tr>
<tr>
<td>RLEM 415</td>
<td>Range Analysis &amp; Management Planning (3-2)</td>
<td>4</td>
</tr>
<tr>
<td>RLEM 421</td>
<td>Field Studies in Range Management</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**Directed Technical Electives**

**Electives**

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1. A total of 132 semester hours will be required for a B.S. degree.
2. Technical electives are to be chosen in the areas of Accounting, Finance, Management, Marketing, Forages, Livestock, and Wildlife.

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### RANGELAND RESOURCES OPTION

<table>
<thead>
<tr>
<th>Course Title</th>
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<tr>
<td>Directed Technical Electives**</td>
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<tr>
<td>Electives</td>
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**Electives**

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1. A total of 132 semester hours will be required for a B.S. degree.
2. Electives will be chosen in consultation with an academic advisor, and degree plans will be approved by the Department Head. Directed electives will include RLEM 415 or RENR 410 or approval of Department Head.
### 1998-99 UNDERGRADUATE CATALOG

#### Core Courses

**University Core Curriculum**

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>AGEC 105</td>
<td>3</td>
</tr>
<tr>
<td>BOTN 101</td>
<td>4</td>
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<td>CHEM 101</td>
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<td>ENGL 104</td>
<td>3</td>
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<tr>
<td>KINE 199</td>
<td>3</td>
</tr>
<tr>
<td>MATH 166</td>
<td>6</td>
</tr>
<tr>
<td>MATH 131</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206 and 207</td>
<td>3</td>
</tr>
<tr>
<td>SCOM 203</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Electives</td>
<td>48</td>
</tr>
<tr>
<td>American and Texas History Electives</td>
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</tr>
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#### Rangeland Ecology and Management Core Courses

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLEM 102</td>
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<tr>
<td>RLEM 203</td>
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<td>4</td>
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<tr>
<td>RLEM 301</td>
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<td>RLEM 314</td>
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<td>RLEM 317</td>
<td>3</td>
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<tr>
<td>RLEM 320</td>
<td>2</td>
</tr>
<tr>
<td>RLEM 401</td>
<td>4</td>
</tr>
<tr>
<td>RLEM 410</td>
<td>1</td>
</tr>
<tr>
<td>RLEM 415</td>
<td>3</td>
</tr>
<tr>
<td>RLEM 481</td>
<td>1</td>
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</table>

#### Required Technical Support

<table>
<thead>
<tr>
<th>Required Course</th>
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<tr>
<td>AGRO 301</td>
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<td>AGRO 310</td>
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<tr>
<td>RENR 205</td>
<td>3</td>
</tr>
<tr>
<td>RENR 215</td>
<td>3</td>
</tr>
<tr>
<td>PPHY 313</td>
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</tr>
<tr>
<td>Science Elective</td>
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<tr>
<td>Advanced Computer Applications</td>
<td>98</td>
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</tbody>
</table>

#### NOTES:

1. Three hours credit by examination may be used for one of POLS 206 or POLS 207.
2. Course selections must satisfy University Core Curriculum.
4. A total of 132 Semester hours will be required for a B.S. degree.
### Ranch Management Option

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>AGEC 325</td>
<td>3</td>
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<tr>
<td>ANSC 107</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 108</td>
<td>1</td>
</tr>
<tr>
<td>ANSC 320</td>
<td>3</td>
</tr>
<tr>
<td>Or ANSC 303</td>
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</tr>
<tr>
<td>Advanced Livestock Management Elective</td>
<td>3</td>
</tr>
<tr>
<td>Choose from: ANSC 302, 406, 414, or others approved by Department Head</td>
<td></td>
</tr>
<tr>
<td>Directed Technical Electives</td>
<td>15</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

**NOTES:**
1. A total of 132 semester hours will be required for a B.S. degree.
2. Technical electives are to be chosen in the areas of accounting, animal science, finance, management, marketing, forages, and wildlife.

### Rangeland Resources Option

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Technical Electives</td>
<td>24</td>
</tr>
<tr>
<td>Electives</td>
<td>10</td>
</tr>
</tbody>
</table>

**NOTES:**
1. A total of 132 semester hours will be required for a B.S. degree.
2. Electives will be chosen in consultation with an academic advisor, and degree plans will be approved by the department head.
MEMORANDUM

TO: Dr. Jonathan Phillips, Professor and Head
    Department of Geography

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. We plan the proposed changes for the 1998-1999 catalog. I would like to notify you of a change that relates to courses taught in your department. Currently the RLEM curriculum requires RENR 201. We are dropping RENR 201 as a required course. Students will be select from an advanced computer applications course. The proposed list of courses is FRSC 461, GEOG 390, LAND 461 and RENR 405 (Loh's new GIS course). A course syllabus for RENR 405 is attached.

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by September 18, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Please call when this letter is ready and I will have a runner pick it up. Thank you for your time.

Approved by: [Signature] Date: 9/11/97
MEMORANDUM

TO: Dr. Bryan Johnson, Professor and Head
    Department of Animal Science

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires ANSC 433 and ANSC 302. ANSC 433 is being dropped as a required course for the ranch management option and added to the list of directed electives. Students will be select from an advanced livestock management course instead of taking ANSC 302.

Students in ANSC have taken both RLEM 314 and RLEM 317. RLEM 314 is being added back to the RLEM curriculum as a required course. RLEM 317 is being reduced from 3 credit hours to 2 credit hours to fit with the revised curriculum. RLEM 312 is being dropped and the information from that class is being incorporated into RLEM 316 and RLEM 401. RLEM 316 and 401 will become 3 credit hour classes. Both RLEM 316 and 401 are currently 2 credit hour classes.

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: __________________ Date: ____________
MEMORANDUM

TO: Dr. Bryan Johnson, Professor and Head
   Department of Animal Science

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires PPHY 313 and an organic chemistry/biochemistry elective. This requirement is being changed to a science elective to be selected from the following list:

ANSC 303; BICH 303; CHEM 102, 222, 227; GENE 301, 310, 320; PPHY 313; PHYS 201; ZOOL 107

The faculty feels that this change is necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: ______________________ Date: 6/1/97
MEMORANDUM

TO: Dr. J.H. Hinojosa, Professor and Head
Department of Landscape Architecture and Urban Planning

FROM: Dr. Robert E. Whitson, Professor and Head
Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires RENR 201. RENR 201 is being dropped as a required course. Students will be select from an advanced computer applications course. The proposed list of courses is FRSC 461, GEOG 390, LAND 461 and RENR 405 (Loh's new GIS course).

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: Date: 97.07.07
MEMORANDUM

TO: Robert E. Whitson, Professor and Head
   Department of Rangeland Ecology and Management

FROM: J. H. Hinojosa, Professor and Head

DATE: 7 July 1997

SUBJECT: Changes to RLEM Curriculum

Dr. Whitson, thank you for your memorandum of 30 June 1997 regarding the extensive review and changes to your undergraduate curriculum. These changes are planned for the 1998-1999 catalog.

We are pleased that you have included one of our courses, LAND 461 as one of the advanced computer application courses that your students can select to meet the new curriculum requirements.

Attached is the signed original letter of approval as per your request.

Our faculty is looking forward to working with your students.

Copies: Nancy Volkman, BLA Program Coordinator
         Jon Rodiek, MLA Program Coordinator
         Tom Woodfin, GIS Course Instructor
         Walter V. Wendler, Dean
         Ward V. Wells, Executive Associate Dean
         Files
TEXAS A&M UNIVERSITY  
Department of Rangeland Ecology and Management  
Room 225 Animal Industries Building  
College Station, Texas 77843-2126  
(409) 845-5579  
FAX (409) 845-6430  

29 June 1997

MEMORANDUM

TO:        Dr. Jim Wild, Professor and Head  
           Department of Biochemistry and Biophysics

FROM:      Dr. Robert E. Whitson, Professor and Head  
           Department of Rangeland Ecology and Management

SUBJECT:   Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires PPHY 313 and an organic chemistry/biochemistry elective. This requirement is being changed to a science elective to be selected from the following list:

ANSC 303; BICH 303; CHEM 102, 222, 227; GENE 301, 310, 320; PPHY 313; PHYS 201; ZOOL 107

The faculty feels that this change is necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by:             Date: 7/15/97
MEMORANDUM

TO: Dr. T.L. Thomas, Professor and Head
    Department of Biology

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires PPHY 313 and an organic chemistry/biochemistry elective. This requirement is being changed to a science elective to be selected from the following list:

ANSC 303; BICH 303; CHEM 102, 222, 227; GENE 301, 310, 320; PPHY 313; PHYS 201; ZOOL 107

The faculty feels that this change is necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: ______________________  Date: 7/2/97
MEMORANDUM

TO: Dr. E.A. Schweikert, Professor and Head
   Department of Chemistry

FROM: Dr. Robert E. Whitson, Professor and Head
       Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires PPHY 313 and an organic chemistry/biochemistry elective. This requirement is being changed to a science elective to be selected from the following list:

ANSC 303; BICH 303; CHEM 102, 222, 227; GENE 301, 310, 320; PPHY 313; PHYS 201; ZOOL 107

The faculty feels that this change is necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: E.A. Schweikert Date: 7/3/97

Please note that Chem. 102 is a prerequisite for Chem. 227.
MEMORANDUM

TO: Dr. Peter Witt, Professor and Head
   Department of Forest Science

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires RENR 201. RENR 201 is being dropped as a required course. Students will be select from an advanced computer applications course. The proposed list of courses is FRSC 461, GEOG 390, LAND 461 and RENR 405 (Loh's new GIS course).

Students in RPTS have taken both RLEM 314 and RLEM 317. RLEM 314 is being added back to the RLEM curriculum as a required course. RLEM 317 is being reduced from 3 credit hours to 2 credit hours to fit with the revised curriculum. RLEM 312 is being dropped and the information from that class is being incorporated into RLEM 316 and RLEM 401. RLEM 316 and 401 will become 3 credit hour classes. Both RLEM 316 and 401 are currently 2 credit hour classes.

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: __________________________ Date: 7/3/97
MEMORANDUM

TO: Dr. Robert Merrifield, Professor and Interim Head
   Department of Forest Science

FROM: Dr. Robert E. Whitson, Professor and Head
   Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires RENR 201. RENR 201 is being dropped as a required course. Students will be select from an advanced computer applications course. The proposed list of courses is FRSC 461, GEOG 390, LAND 461 and RENR 405 (Loh's new GIS course).

Students in FRSC have taken both RLEM 314 and RLEM 317. RLEM 314 is being added back to the RLEM curriculum as a required course. RLEM 317 is being reduced from 3 credit hours to 2 credit hours to fit with the revised curriculum. RLEM 312 is being dropped and the information from that class is being incorporated into RLEM 316 and RLEM 401. RLEM 316 and 401 will become 3 credit hour classes. Both RLEM 316 and 401 are currently 2 credit hour classes.

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by:

Date: ________________
MEMORANDUM

TO: Dr. V.P. Tchakerian, Associate Professor and Interim Head
   Department of Geography

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

The Rangeland Ecology and Management Faculty have completed an extensive review of our undergraduate curriculum. The proposed changes are planned for the 1998-1999 catalog. Prior to submission of this revision to the College and University curriculum committees, I would like to notify you of a change which relates to courses taught in your department. Currently the curriculum requires PPHY 313 and an organic chemistry/biochemistry elective. This requirement is being changed to a science elective to be selected from the following list:

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Please sign below if these changes meet with your approval. Please return by July 30. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: [Signature]  Date: 7/11/97
MEMORANDUM

TO: Dr. T.W. Adair III, Professor and Interim Head
   Department of Physics

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

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Approved by ____________________ Date: 7/8/97
MEMORANDUM

TO: Dr. Robert Brown, Professor and Head
    Department of Wildlife and Fisheries Sciences

FROM: Dr. Robert E. Whitson, Professor and Head
      Department of Rangeland Ecology and Management

SUBJECT: Curriculum Changes

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Students in WFSC have taken both RLEM 314 and RLEM 317. RLEM 314 is being added back to the RLEM curriculum as a required course. RLEM 317 is being reduced from 3 credit hours to 2 credit hours to fit with the revised curriculum. RLEM 312 is being dropped and the information from that class is being incorporated into RLEM 316 and RLEM 401. RLEM 316 and 401 will become 3 credit hour classes. Both RLEM 316 and 401 are currently 2 credit hour classes.

The faculty feels that these changes are necessary due to the variety of career interests our students express. Thus, the intent of the proposed change is to give students and their advisors more flexibility in meeting the needs of students for preparation in the sciences.

Please sign below if these changes meet with your approval. Please return by July 9, if possible. Call me or Dr. Robert W. Knight at 845-5579 if you have any questions. Thank you for your time.

Approved by: [Signature]  Date: 7-1-97