Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Soil and Crop Sciences

2. Course prefix, number and complete title of course: SCSC 621 International Agricultural Research Centers - MX

3. Catalog course description (not to exceed 50 words): Introduction to international agricultural research; Consultative Group on International Agriculture activity; modern and underdeveloped tropical agricultural systems; introduction to Mexican culture; critical evaluation of complex and international agricultural issues and research programs.

4. Prerequisite(s): Approval of Instructor Graduate classification.

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 this course be repeated within the same semester? □ Yes □ No

7. Has this course been taught as a 489/689? □ Yes □ No If yes, how many times? 2
Indicate the number of students enrolled for each academic period it was taught. 07B-7, 08C-4

8. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
      No
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      M.S. or Ph.D. in Soil Science, Agronomy, or Plant Breeding

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 (excluding punctuation)

<table>
<thead>
<tr>
<th>Lec</th>
<th>Lab</th>
<th>SCH</th>
<th>CIP</th>
<th>Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
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</tbody>
</table>

Approval recommended by:
Wayne Smith
Department Head - Type Name & Sign Date

Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by:
Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services - 12/08
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Soil and Crop Sciences

2. Course prefix, number and complete title of course: SCSC 621 International Agricultural Research Centers - Mexico

3. Catalog course description (not to exceed 50 words): Introduction to international agricultural research; Consultative Group on International Agriculture activity; modern and underdeveloped tropical agricultural systems; introduction to Mexican culture; critical evaluation of complex and international agricultural issues and research programs.

4. Prerequisite(s): Approval of Instructor Graduate classification.

Cross-listed with: 

Cross-listed courses require the signature of both department heads.

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 this course be repeated within the same semester? □ 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. 07B-7; 08C-4

8. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   No
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
   M.S. or Ph.D. in Soil Science, Agronomy, or Plant Breeding

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Admin. Unit Acad. Year FICE Code

Approval recommended by:

Wayne Smith
Department Head - Type Name & Sign Date Chair, College Review Committee Date

Department Head - Type Name & Sign Date Dean of College Date

(if cross-listed course)

Submitted to Coordinating Board by:

Dean of College Date

Associate Director, Curricular Services Date Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 12/08
SCSC 621
International Agricultural Research Centers

Course Objectives: Students will be introduced into an international scientific culture and develop an understanding of the challenges and opportunities in underdeveloped agriculture systems. Students also will be expected to provide critical evaluations in assessing the effectiveness of complex research programs.

Instructors:
Dr. Steve Hague
Cotton Breeder
Office (979) 845-8248
Mobile (979) 255-1818
e-mail: shague@tamu.edu

Dr. Ron Cantrell
e-mail: ron@cantrellmail.net

Prerequisites:
Enrollment in a graduate studies program at Texas A&M University. Approval of instructor.

Course Topics / Calendar:

July 01 – Aug. 10, 2009
Location: College Station
Activity: travel development meetings will be held on flexible dates with students to insure they have all needed documentation in place and prepared for the trip (1 hour).

July 23 and Aug. 08, 2009
Location: College Station
Activity: Introductory presentations will be made on the CGIAR system of international agriculture research and CIMMYT as one of its premier international research centers. Travel information and expectations will be reviewed (3 hours).

Aug. 10-20, 2009
Mexico itinerary

Sept. 10, 2009
Location: College Station
Activity: Student meeting to discuss development of presentations and receive feedback on the program. Students will take a written exam at this meeting. (2 hours)

Sept. 10-17, 2009
Location: College Station
Activity: Seminar preparation assistance. (1 hour, flexible dates)

Sept. 17, 24, and Oct. 01, 2009
Location: College Station
Activity: Student presentation of reports and group discussion of CGIAR and CIMMYT. Written report due at this time (1 hour).
# MEXICO ITINERARY

<table>
<thead>
<tr>
<th>Date</th>
<th>Lodging</th>
<th>Morning</th>
<th>Afternoon</th>
<th>Evening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 10</td>
<td>CIMMYT</td>
<td>Travel to Mexico City</td>
<td>Arrive at CIMMYT / brief informal tour</td>
<td>Free time</td>
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<tr>
<td>Sunday</td>
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<tr>
<td>Aug. 11</td>
<td>CIMMYT</td>
<td>Corn Breeding</td>
<td>Wheat Breeding</td>
<td>Dinner with CIMMYT Staff</td>
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<tr>
<td>Monday</td>
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<tr>
<td>Aug. 12</td>
<td>CIMMYT</td>
<td>Bioinformatics, Grain</td>
<td>Biotechnology, Economics</td>
<td>Free Time</td>
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<tr>
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<td></td>
<td>Quality</td>
<td></td>
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<tr>
<td>Aug. 13</td>
<td>CIMMYT</td>
<td>INIFAP @ Univ. Chapingo</td>
<td>Teotihuacan Pyramids</td>
<td>Dinner in Texcoco</td>
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<tr>
<td>Wednesday</td>
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<tr>
<td>Aug. 14</td>
<td>CIMMYT</td>
<td>Toluca Station</td>
<td>Subsistence farmers</td>
<td>Dinner in Toluca</td>
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<tr>
<td>Aug. 15</td>
<td>CIMMYT</td>
<td>Subsistence farmers</td>
<td>Subsistence farmers</td>
<td>Free time</td>
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<tr>
<td>Friday</td>
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<tr>
<td>Aug. 16</td>
<td>Taxco</td>
<td>Travel to Tlatlizapatan</td>
<td>Mid-altitude corn breeding @ Tlatlizapatan</td>
<td>Free time in Taxco</td>
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<tr>
<td>Saturday</td>
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<tr>
<td>Aug. 17</td>
<td>Mexico City</td>
<td>Free time in Taxco</td>
<td>Travel to Mexico City</td>
<td>Free time</td>
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<tr>
<td>Sunday</td>
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<tr>
<td>Aug. 18</td>
<td>Mexico City</td>
<td>INIFAP Sec. Gen.</td>
<td>Anthropology Museum</td>
<td>Ballet Folclorico</td>
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<tr>
<td>Monday</td>
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<tr>
<td>Aug. 19</td>
<td>Mexico City</td>
<td>Shopping at Zona Rosa</td>
<td>Zocalo</td>
<td>Free time</td>
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<tr>
<td>Aug. 20</td>
<td>Home</td>
<td>Travel to College Station</td>
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</table>

**Grading:**

- Exam: 10%
- Case Assessment: 10%
- Seminar: 30%
- Participation: 50%

**Exam Grade Scale:**

- 90 – 100 = A
- 80 – 89 = B
- 70 – 79 = C
- 60 – 69 = D
- < 60 = F

**Case Assessment Grade Scale:**

- 90 – 100 = A
- 80 – 89 = B
- 70 – 79 = C
- 60 – 69 = D
- < 60 = F

**Seminar Grade Scale:**

Required of all participants = A
Participation Grade Scale:
Participation in Study Abroad activities = A

Assignments:

The exam will include topics experienced during the trip to Mexico. Test questions will be multiple choice and short answer. The exam for SCSC 621 will be more complex than for SCSC 421.

Additional requirement of all Graduate level students:
The case assessment, due at the end of the course, shall contain a brief overview of the research programs. It shall also include an evaluation of the strengths and weaknesses of the centers’ mission and effectiveness. Students will also provide suggestions for improving the program both from internal and external parties.

The seminar will be expected Sept, 17 – Oct. 01 2009. It will be a slide presentation on a topic that will be assigned after returning to College Station. The presentation will be in front of the faculty, staff, students and guests of the Soil and Crop Science Department. There are three seminar dates and students will be assigned a time slot. The seminar is scheduled for 1 hour but several students will present during this time period. The average length of each student’s presentation should be about 10 minutes. Participation will include student attendance and involvement in discussions and activities during the trip to Mexico and in the question-and-answer period following the seminar.

Mexico City: the capital city of Mexico and flush with cultural experiences. We will be staying in the downtown area in a hotel. Most activities in the city will be organized and we will stay in a completely intact group. There will be some time for students to explore in smaller groups.

Taxco: this is a small colonial-period silver mining town that has been declared a national historical monument. The main industry is silver jewelry. It is close to the CIMMYT mid-altitude corn breeding station at Tlatilizapan. We will stay one night in Taxco and students are encouraged to explore this town. Aside from the silver artwork, there is the Museo Guillermo Spratling which is a history and archeology museum, the Museo de Arte Virreinal, which is a religious art museum, and the Teleferico, which is an aerial cable car.

Americans with Disabilities Act (ADA) Policy:

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 the Department of Student Life, Services for Students with Disabilities in Room B118 of Cain Hall or call 845-1637.

Aggie Honor Code:

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

For additional information concerning the Aggie Honor Code, please visit: www.tamu.edu/aggiehonor/
Texas A&M University – College Station

PROPOSAL TO TEACH COURSES OUTSIDE THE U.S. DURING SUMMER 2010

Galveston faculty should use the Texas A&M-Galveston form

**Instructions**

1. College Station Faculty: Submit to the Study Abroad Program Policy Committee (SAPPC) member of your college by 5:00 p.m. on February 27, 2009.
2. Proposals must be submitted using this current form.
3. Incomplete proposals or proposals received after the deadline stated may not be considered for matching faculty salary funding through Study Abroad Enhancement Funding (SAEF) should such monies be available.

In order to comply with state regulations required by The Texas Higher Education Coordinating Board (THECB) (Texas Administrative Code - Out of State & Foreign Courses) and Texas A&M University regulations, all information in this proposal must be provided each time a course is proposed to be taught outside the United States. All proposals are reviewed by the Study Abroad Program Policy Committee (SAPPC).

**Before submitting this application to the Study Abroad Programs Office, please check that the following have been done:**

- [ ] Complete a separate proposal for EACH location
- [ ] Complete all sections of the application form
- [ ] Include a syllabus for EACH proposed Texas A&M course (including 485s/685s). This syllabus should not be the same as one used on campus and must show links to the foreign country that support the rationale for studying in that country, explaining any pre- or post- program elements.
- [ ] Obtain all required signatures: yours, all collaborating TAMU faculty, and your collaborating faculty's department head. The dean’s signature will be obtained by your college SAPPC representative.
- [ ] Include a CV (no longer than two pages) for EACH faculty member
- [ ] Include a support letter from the contact person at the Texas A&M location abroad if the program will use one of these locations.
- [ ] An original and 5 copies of the signed proposal, CV, and course syllabi must be received by your college SAPPC representative: by 5:00 p.m. on Friday, February 27, 2009.

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1. **Name of Program:** International Agricultural Research Centers - Mexico

2. **Approximate departure and return dates:** (MM/DD/YY) 08/15/09 to 08/28/09  

   **Note:** According to state regulation, "All courses offered in a shortened format will consist of the same number of contact hours, normally 45-48, as courses offered in a regular or summer session. Students will not carry more courses at a time in a shortened format than will give them total credit of one semester-credit-hour per week of instruction. (Section 5.7, Subchapter A). Pre- or post-travel class sessions will be scheduled to attain the required minimum length standard." If your program will include pre- or post-travel class sessions to meet this time limitation, please explain when and where these would take place and include them in the syllabus.

3. **Proposed location(s) of program:**  

   Country(ies)  Mexico  
   City(ies)  El Batan, Taxco, Mexico City

4. **Do you plan to use a Texas A&M University location abroad for all or part of this program abroad?**  

   x No  
   □ Yes  

   If yes,  
   1) please be sure to attach a letter of support from the contact listed below as per University guidelines available at [http://studyabroad.tamu.edu/faculty.asp](http://studyabroad.tamu.edu/faculty.asp).
2) Which location abroad do you propose to use?
   — Santa Chiara Study Center in Castiglion Fiorentino, Italy (Contact: Paolo Barucchieri, Director, pbarucchieri@ipomail.tamu.edu, http://studyabroad.tamu.edu/santa_chiara/)
   — Texas A&M University Center in Mexico (Contact: Jennifer Brown, Director, jgbrown@ipomail.tamu.edu, http://olap.tamu.edu/)
   — Soltis Education and Research Center in Costa Rica (Contact: Eugenio Gonzalez, egonzalez@ipomail.tamu.edu)
   — Texas A&M Qatar (Contact: Prasad Enjeti, Associate Dean for Academic Affairs, prasad.enjeti@qatar.tamu.edu, http://www.qatar.tamu.edu/)

5. Lead Faculty Member: This will be the primary contact for this program, responsible for all paperwork and any funding needs.

<table>
<thead>
<tr>
<th>Name: Steve Hague</th>
<th>College Station Department: Soil and Crop Sciences</th>
<th>Phone: 845-8248</th>
<th>Mail Stop: 2474</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax Number:</td>
<td>E-mail: <a href="mailto:shague@tamu.edu">shague@tamu.edu</a></td>
<td>College Station Office Location: Cotton Improvement Lab, Turk Road</td>
<td></td>
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</table>

5. Other Texas A&M Faculty Members teaching in this program:

<table>
<thead>
<tr>
<th>Name:</th>
<th>College Station Department:</th>
<th>Phone:</th>
<th>Mail Stop:</th>
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<tr>
<td>Fax Number:</td>
<td>E-mail:</td>
<td>College Station Office Location:</td>
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6. Names and departments of non-TAMU College Station, if any:
   Note: If a non-TAMU faculty member will teach more than 50% of the course, he/she must be listed as collaborating faculty member rather than as a guest lecturer.

   Non-TAMU Collaborating faculty: ________________________________

   Guest lecturers: ________________________________

7. Is there a language requirement for your study abroad program?
   ☐ Yes  ☐ No
   If Yes, what language? ________________________________ (☐ Beginner) (☐ Intermediate/Advanced)
   If No, describe how your students will handle basic language needs on your trip. Translators will be available.

8. ☐ Yes  ☐ No Is there a research component associated with your study abroad program?
   If Yes, please describe. ________________________________

   X Yes  ☐ No Has this study abroad program been conducted in the past?
   If Yes, please list the year and semester(s) it was taught abroad and the number of students each session that participated
   Summer 2007 / 8 students  Fall 2008/ 16 students

   If No, please provide the number of students anticipated to participate during this semester ________________________________

9. Proposed course(s) to be taught by Texas A&M-College Station faculty member:
   Note: For students to be eligible for most types of financial aid, enough courses will have to be offered on a study abroad program to constitute a full course of study.

   (Include department, course number, course title, credit hours, number of contact hours and the name of the faculty member teaching each one. Note: Each credit hour requires a minimum of 15 contact hours. "Contact hours" are the
A. □ Yes  X No  Are any of these courses cross-listed with any other course?
   If Yes, what course?
   (Include department, course number, course title, credit hours and the name of the faculty member teaching.)

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<th>Dept:</th>
<th>Course No:</th>
<th>Course Title:</th>
<th>Semester Credit Hours:</th>
<th>Contact Hrs:</th>
<th>Faculty Teaching:</th>
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<td>International Agricultural Research Centers – Mexico</td>
<td>3</td>
<td>48</td>
<td>Hague</td>
</tr>
<tr>
<td>SCSC</td>
<td>621</td>
<td>International Agricultural Research Centers – Mexico</td>
<td>3</td>
<td>48</td>
<td>Hague</td>
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B. □ Yes  X No  Does your program involve a Reciprocal Educational Exchange Program (REEP) component (e.g., students will enroll in one or more classes at an accredited foreign university for which Texas A&M has a REEP agreement through an MOA)?
   If Yes,
   1. What Texas A&M REEP holding class will they register for?

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<th>Dept:</th>
<th>Course No:</th>
<th>Course Title:</th>
<th>Semester Credit Hours:</th>
<th>Contact Hrs:</th>
<th>Faculty Teaching:</th>
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</table>

   2. What is the proposed Texas A&M course equivalency that will replace the Texas A&M REEP holding course upon completion of the program?

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<th>Course No:</th>
<th>Course Title:</th>
<th>Semester Credit Hours:</th>
<th>Contact Hrs:</th>
<th>Faculty Teaching:</th>
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   3. No syllabus is required for the course taught at the foreign university or the Texas A&M REEP holding course.

C. □ Yes  X No  Does your program involve students directly enrolling in an accredited foreign university in one or more classes for credits that will transfer back to Texas A&M to substitute for a Texas A&M course on their degree program?
   If Yes,
   1. What is the foreign university course designation?

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<th>Dept:</th>
<th>Course No:</th>
<th>Course Title:</th>
<th>Semester Credit Hours:</th>
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   2. What is the proposed Texas A&M course for which this will substitute in a Texas A&M degree plan, if known

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<th>Dept:</th>
<th>Course No:</th>
<th>Course Title:</th>
<th>Semester Credit Hours:</th>
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</table>

10. □ Yes  X No  Is there an internship course as part of this program?
   If Yes, please describe the arrangements and the produce that will be the basis of the grade assigned for the internship: __________________________

11. □ Yes  X No  Are there any known risks associated with the academic program you are planning abroad (e.g. visiting construction sites, travelling on unpaved roads in jungles, scuba diving for scientific purposes, etc.)?
If Yes, what type of anticipated risks will take place during the academic program and how do you plan to minimize the risk (e.g. specialized training, professional instructors, special equipment, etc.)?

For those programs that include scuba diving as part of the academic program, an approved dive plan must be on file with the University’s Diving Safety Officer. Contact the Office of Safety and Security at 845-6437 for additional information.

12. **Rationale for teaching the course(s) at this location as opposed to College Station:**

(This should be a one-paragraph explanation. Please focus on the benefits to Texas A&M students and to Texas AND specific course content that is better taught in the destination abroad as opposed to in Texas. Mentioning field trips that enhance the academic experience and course content is strongly encouraged. Please be specific as this information will be sent to the Texas Higher Education Coordinating Board for approval to be taught outside the U.S.) **See sample.**

The proposed course will expose students to the International Research Centers distributed around the world. The International Maize and Wheat Improvement Center (CIMMYT) is located in El Batan, Texcoco, Mexico, approximately 20 miles from Mexico City. CIMMYT was the original philanthropic effort by the Rockefeller and Ford Foundations to combat world hunger. It was joined by IRRI, the International Rice Research Center in the Philippines, IITA, the International Institute of Tropical Agriculture in Nigeria, and CIAT, the Center for International Agriculture in the Tropics in Colombia by 1971. The success of these four centers lead to the development of a system of international agriculture research which today is composed of 15 Future Harvest Centers around the world. CIMMYT notes on their internet site that “eight-hundred million of the world’s inhabitants still suffer hunger, many of them children whose poverty robs them of the opportunity to achieve their true potential. Millions of the impoverished of all ages, many of them women, live lives of overwhelming drudgery and physical labor on small farms in the developing world. Malnutrition and under nutrition impair their health and productivity.” Most of the students at Texas A&M University will be employed in a more global society than previous generations and those in agriculturally related disciplines especially need to understand the level of poverty that CIMMYT combats. They need to gain an understanding of the circumstances that led to the world community recognizing Dr. Norman Borlaug as a purveyor of peace through the annihilation of hunger around the world. Our students need to comprehend that wars and unrest will never be conquered until all people have a satisfying and sufficient food supply. Our students also must have a more global view of world food security and an understanding that foods and agricultural products move across borders and originate in places other than Texas and the United States. Such understanding will enhance and expand the educational experience at Texas A&M University.

13. **Academic Objectives of the course(s):**

(This should be a one-paragraph explanation of the course content for each course taught.) **See sample.**

The study abroad to CIMMYT and INIFAP research stations and areas of Mexico served by these research organizations will provide the student with a first hand experience with subsistence agriculture in developing countries. They will experience the efforts to alleviate hunger and poverty in Mexico and other Latin American countries. They will experience these efforts in a more global sense as they have the opportunity to interact with leading agricultural scientists from around the world. In addition, there will be a cultural component designed to explain the linkage between food and civilization. Students will gain a view of world agriculture and the challenges that lie ahead during their careers that would be difficult to grasp solely from classroom instruction.

14. □ Yes  X No  Have you applied for an International Curriculum Development Grant?  
([http://international.tamu.edu/ipo/forms.html](http://international.tamu.edu/ipo/forms.html))

If yes, how does the grant relate to the proposed study abroad program? **See sample.**
STUDY ABROAD PROPOSAL NARRATIVE

The following sections of the Study Abroad Proposal directly reflect evaluation criteria established by the SAPPC committee (See the Study Abroad Course Evaluation form at the end of this application packet). It is expected that responses on each of the sections of the Study Abroad Proposal Narrative will average 100 to 150 words. See sample.

1. International Impact on Students and Faculty

Among the many issues that could be considered in this evaluation criteria are such things as language immersion, cross-cultural immersion, internationalization, visits to institutions and organizations, the duration of the program, and use of resources on- or off-campus to prepare (i.e. international faculty, scholars, and students) guest speakers on-campus or in-country.

Students will experience the culture of agricultural production systems that range from subsistence to modern, large scale production. Through the programs at CIMMYT and INIFAP students will learn first hand about efforts and programs designed to alleviate world hunger through the development of crop cultivars adapted to subsistence production systems and to modern, high tech production practices. For 2 weeks, students will be immersed in Latin America, and more specially Mexican, culture and thought processes. Students will gain an international perspective of food, fiber, and feed production issues and opportunities. Students will gain a better understanding of international organizations and philanthropic organizations designed to help feed and clothe people in developing nations through interaction with international scientists, economists, statisticians, dieticians, policy makers and administrators at CIMMYT and INIFAP.

2. Programmatic focus of proposal

This criterion determines the focus of the proposal, such as whether the program proposed could be sustained over several years. This also could include attention to such issues as the coordination and curricular relevance of course offerings, the originality of the program design, and relevance to the proposed location.

Sustainability and popularity of courses typically are dependent upon a course fostering students’ intellectual and career capabilities. While Texas A&M University offers very strong courses for graduate degrees in plant breeding, international plant breeding experiences are limited. This course would fill that void. In addition, students participating in this course will be able to see the connection between food and civilization. CIMMYT is looking for greater collaboration with US institutions. Likewise, the Soil and Crop Science Department has several new plant breeding faculty members who are searching for international collaboration opportunities to help fulfill their duties to the mission of the university. Therefore, individual and institutional opportunities on both sides exist to nurture this course for mutual benefits. Furthermore, agriculture in developing countries, and in particular, Latin America, is one of the greatest international growth industries. Students’ experiences in this realm would enhance their career capabilities after graduation.

3. Evidence of Program Development

Some of the issues considered could be revision/ updating of course offerings based on evaluation feedback and student learning outcomes, and the establishment of new programs, international developments, assessment mechanisms, and links to research opportunities.

The first year the course was taught a trip to the Pioneer maize breeding station was included. While most students did express criticism of this stop, it did not rate as high as some of the other itinerary items. Therefore, in the second year it was replaced by a visit to CIMMYT’s Tzaltizapan maize breeding station (mid-altitude) station and one night in Taxco. This item rated as most students’ favorite activity. In December 2008, the SCSC department sent several faculty members, including myself (Hague), to visit with CIMMYT program leaders. As a result of this meeting, greater coordination between the TAMU program and Petr Kosina, CIMMYT’s Capacity Building Coordinator, will work to enhance the student experience and interaction with faculty at both CIMMYT and INIFAP.

4. Program Viability

Issues in these evaluation criteria are such as prior enrollment levels for such courses taught on campus (if a new program) or taught abroad (if an established program abroad). Also important to consider are student recruitment strategies, faculty qualifications to create and sustain the
program, and program costs for students, and how these courses link to the overall academic program or strategies of the college or department.

In the first year of the course, eight students participated (7 graduate and 1 undergraduate). In year two, 16 students participated (4 graduate and 12 undergraduate). Of the 16, three were from outside the SCSC department.

This Study Abroad course will strengthen the graduate and undergraduate program of the College of Agriculture by expanding exposure of our students to the diversity of other cultures, expand the internationalization of our curriculum, and encourage them to embrace diversity. In accomplishing these goals, this course will contribute to Imperatives 1, 2, 3, 5, 6, 10, 11, and 12. This course will expand the horizons of both undergraduate and graduate students, meaningfully add to the development of future leaders in public and private endeavors who will have a more enlightened view of the world (Imperative 10), and who will have greater understanding and appreciation of diversity and global culture (Imperative 6). These students will contribute to Imperative 6 also by sharing their experiences and new outlooks to other students on campus through the post-trip seminar.

Agriculture, especially plant breeding, is a very dynamic industry that will require any plant breeding course material to constantly evolve with technological and theoretical advances. Moreover, CIMMYT's sophisticated and avant-garde research programs mandates learning material mirroring these progressions. Certainly, anonymous course evaluation results will be integral mechanisms to modify course material. More valuable to the course's evolution, however, will be feedback gathered during the foreign living experience. This non-traditional setting encourages liberal teacher-student interaction outside the formal classroom environment. These more personable types of responses are better understood and easier to act upon than traditional course evaluations.

5. Quality of Study Abroad Site
These issues could include safety at the program location, rationale for linking course content to the site abroad, and availability of local personnel and other resources to support the instruction given at the proposed location abroad.

CIMMYT is an excellent site to provide students with a first hand experience of international agricultural research, and subsistence agriculture. Located near Mexico City, it also offers the opportunity to educate students in the history and culture of Mexico (reflected in syllabus). CIMMYT has a well staffed and modern agricultural research center that addresses food and feed production issues in underdeveloped countries worldwide. CIMMYT is the birthplace of the Green Revolution, which was engineered in large part by Dr. Norman Borlaug, who is a Distinguished Professor at TAMU and Administrative Consultant for CIMMYT. This Center lists over 60 agricultural scientists in residence at the El Batan campus and numerous other scientists headquartered around the world. In addition, CIMMYT has offices in information technology and communication, and a large administrative support staff in Mexico. This Center has international visitors on a regular basis and is a safe learning environment for our students. Field trips into other regions of Mexico will be well-prepared and students' health and safety will be paramount in all planning and execution phases of this Study Abroad.

Programs proposed for the Santa Chiara Study Center will additionally be reviewed for the following characteristics. Individuals hoping to teach at Santa Chiara should consider these criteria when preparing responses for the six previously-mentioned items in the narrative segment:

1. Logistical Site Issues - This criteria refers to the availability of the site at a proposed time, as well as space, equipment, computer, and other resources to accommodate the proposed courses.

2. Balance in Slate of Courses - Among other evaluation criteria, this could include compatibility with other proposed courses for the site at the same time period, the marketability to students (e.g. appeal to a targeted group or broad range, address degree or core requirements, etc), and the interdisciplinary nature of courses. In some cases faculty working together on course offerings have proposed a slate to be taught in conjunction with colleagues to provide such balance or interdisciplinary offerings.

3. Academic Site Issues - This criteria refers to the course linkage to the country/city, feasibility of field industry/academic trips/plant visits, and contacts in country. This would also include
consideration of any opportunities for students to engage in local community activities and/or pursue.

4. Faculty Considerations - This criteria refers to faculty experience in teaching abroad or team teaching with other faculty. It could also consider whether faculty have experience at this proposed site with a prior, successful program. It could also consider a faculty member's ability to draw groups of students abroad who have not or would not otherwise have an outlet.

"State law requires that you be informed of the following: (1) you are entitled to request to be informed about the information about yourself collected by use of this form (with a few exceptions as provided by law); (2) you are entitled to receive and review that information; and (3) you are entitled to have the information corrected at no charge to you."
In addition to responding to the preceding questions: Attach a syllabus for each proposed course that indicates links to the foreign country proposed.

The syllabus (syllabi), and the completed proposal form, signed by you and your department head, must be received by your college SAPPC representative by 5:00 p.m. on February 27, 2009. **An original and five copies are required.**

Proposals will be reviewed by the Study Abroad Program Policy Committee (SAPPC) composed of Texas A&M faculty. Those recommended by SAPPC will be forwarded to the Provost’s office for submission to the Texas Higher Education Coordinating Board. According to state law, the THECB approval is required before a course can be taught outside the U.S. AND receive funding from the state.

All signatures below are required. (Duplicate this signature line as needed, so all TAMU collaborating faculty can sign.)

**Faculty Signature:** As a faculty member leading this study abroad program, I agree to:
1. Attend a university briefing session hosted by the Dean of Faculties,
2. Provide pre-departure programming that is coordinated with the Study Abroad Programs Office.
3. Comply with Study Abroad Programs’ working fund and all other regulatory guidelines as explained in the pre-departure sessions. These guidelines are available at [http://studyabroad.tamu.edu/apps/maroon.doc](http://studyabroad.tamu.edu/apps/maroon.doc).
4. Be assigned a percentage of workload for teaching the courses through departmental course requests and reports.

I understand that if I do not attend to these responsibilities, I will not be able to lead the Study Abroad Program.

Faculty Signature:  
Date: 2/10/09

**Academic Department Approval:** (Duplicate this box if collaborating faculty are from different departments):  
My signature below indicates that:
1. The proposed course(s) to be taught outside the U.S. meet all departmental standards.
2. The department is responsible for the faculty member’s salary for this study abroad program. I understand that Study Abroad Enhancement Funds are available for many programs that are taught during the summer session but can provide only a portion of the salary for some faculty members.
3. Pre-departure programming for participants will be coordinated with the Study Abroad Programs Office.
4. I will assign a workload percentage to the faculty member(s) in my department who teach this/these courses on faculty workload reports.

Department Head Name:  
Signature:  
Department:  
Date: 2/10/09

**College Approval** (Duplicate this box if collaborating faculty are from different colleges):

SAPPC representative*:  
Signature:  
Date:  

* If you do not have a SAPPC representative, consult with the appropriate SAPPC representative from the college in which the discipline resides to complete the required forms.

Is this proposal requesting matching funding for a faculty salary through SAEF?  
Yes  No

If No, how will the faculty salary be funded?  

My signature below indicates college authorization of the proposed course(s) to be taught outside the U.S., which I attest meets all college standards.

College Dean Name:  
Signature:  
Date:  

College:  

---

S:T - ISSADMIN-SW/sappc/College Station proposal 2010.docx  13 of 25 B11
STUDY ABROAD PROGRAM POLICY COMMITTEE
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jwoosley@tamu.edu
AGRO 489
Special Topic: International Agricultural Research Centers

Course Objectives: Students will be introduced into an international scientific culture and develop an understanding of the challenges and opportunities in underdeveloped agriculture systems. Students also will be expected to provide critical evaluations in assessing the effectiveness of complex research programs.

Instructors:
Dr. Steve Hague
Cotton Breeder
Office (979) 845-8248
Mobile (979) 255-1818
e-mail: shague@tamu.edu

Prerequisites:
Permission of Instructor and enrollment at Texas A&M University.

Course Topics / Calendar:

July 01 – Aug. 10, 2009
Location: College Station
Activity: travel development meetings will be held on flexible dates with students to insure they have all needed documentation in place and prepared for the trip (1 hour).

July 23 and Aug. 08, 2009
Location: College Station
Activity: Introductory presentations will be made on the CGIAR system of international agriculture research and CIMMYT as one of its premier international research centers. Travel information and expectations will be reviewed (3 hours).

Aug. 15-28, 2009
Mexico itinerary

Sept. 10, 2009
Location: College Station
Activity: Student meeting to discuss development of presentations and receive feedback on the program. Students will take a written exam at this meeting. (2 hours)

Sept. 10-Oct. 01, 2009
Location: College Station
Activity: Seminar preparation assistance. (1 hour, flexible dates)

Sept. 16 and 23, 2009
Location: College Station
Activity: Student presentation of reports and group discussion of CGIAR and CIMMYT. Written report due at this time (1 hour).
## MEXICO ITINERARY

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### Grading:

- Exam: 25%
- Seminar: 25%
- Participation: 50%

### Assignments:

The exam will include topics experienced during the trip to Mexico. Test questions will be multiple choice and short answer. The exam for AGRO 689 will be more complex than for AGRO 489.

The seminar will be expected Sept. 16 and 23, 2009. It will be a slide presentation on a topic that will be assigned after returning to College Station. The presentation will be in front of the faculty, staff, students and guests of the Soil and Crop Science Department. There are three seminar dates and students will be assigned a time slot. The seminar is scheduled for 1 hour but several students will present during this time period. The average length of each student’s presentation should be about 10 minutes.
Participation will include student attendance and involvement in discussions and activities during the trip to Mexico and in the question-and-answer period following the seminar.

Mexico City: the capital city of Mexico and flush with cultural experiences. We will be staying in the downtown area in a hotel. Most activities in the city will be organized and we will stay in a completely intact group. There will be some time for students to explore in smaller groups.

Taxco: this is a small colonial-period silver mining town that has been declared a national historical monument. The main industry is silver jewelry. It is close to the CIMMYT mid-altitude corn breeding station at Tlatlizapatan. We will stay one night in Taxco and students are encouraged to explore this town. Aside from the silver artwork, there is the Museo Guillermo Spratling which is a history and archeology museum, the Museo de Arte Virreinal, which is a religious art museum, and the Teleferico, which is an aerial cable car.

Americans with Disabilities Act (ADA) Policy:
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 the Department of Student Life, Services for Students with Disabilities in Room B118 of Cain Hall or call 845-1637.

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

For additional information concerning the Aggie Honor Code, please visit: www.tamu.edu/aggiehonor/
AGRO 489
Special Topic: International Agricultural Research Centers

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<td>INIFAP Sec. Gen.</td>
<td>Zocalo</td>
<td>Free time</td>
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<tr>
<td>Thursday</td>
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<tr>
<td>Aug. 28</td>
<td>Home</td>
<td>Travel to College Station</td>
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</tbody>
</table>

## Grading:

- **Exam**: 25%
- **Seminar**: 25%
- **Participation**: 50%

## Assignments:

The exam will include topics experienced during the trip to Mexico. Test questions will be multiple choice and short answer. The exam for AGRO 489 will be more complex than for AGRO 489.

The seminar will be expected Sept. 16 and 23, 2009. It will be a slide presentation on a topic that will be assigned after returning to College Station. The presentation will be in front of the faculty, staff, students and guests of the Soil and Crop Science Department. There are three seminar dates and students will be assigned a time slot. The seminar is scheduled for 1 hour but several students will present during this time period. The average length of each student’s presentation should be about 10 minutes.
Participation will include student attendance and involvement in discussions and activities during the trip to Mexico and in the question-and-answer period following the seminar.

Mexico City: the capital city of Mexico and flush with cultural experiences. We will be staying in the downtown area in a hotel. Most activities in the city will be organized and we will stay in a completely intact group. There will be some time for students to explore in smaller groups.

Taxco: this is a small colonial-period silver mining town that has been declared a national historical monument. The main industry is silver jewelry. It is close to the CIMMYT mid-altitude corn breeding station at Tlatlizapatan. We will stay one night in Taxco and students are encouraged to explore this town. Aside from the silver artwork, there is the Museo Guillermo Spratling which is a history and archeology museum, the Museo de Arte Virreinal, which is a religious art museum, and the Teleferico, which is an aerial cable car.

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AGRO 689
Special Topic: International Agricultural Research Centers

**Course Objectives:** Students will be introduced into an international scientific culture and develop an understanding of the challenges and opportunities in underdeveloped agriculture systems. Students also will be expected to provide critical evaluations in assessing the effectiveness of complex research programs.

**Instructors:**
Dr. Steve Hague
Cotton Breeder
Office (979) 845-8248
Mobile (979) 255-1818
e-mail: shague@tamu.edu

**Prerequisites:**
Enrollment in a graduate studies program at Texas A&M University.

**Course Topics / Calendar:**

July 01 – Aug. 10, 2009
**Location:** College Station
**Activity:** travel development meetings will be held on flexible dates with students to insure they have all needed documentation in place and prepared for the trip (1 hour).

July 23 and Aug. 08, 2009
**Location:** College Station
**Activity:** Introductory presentations will be made on the CGIAR system of international agriculture research and CIMMYT as one of its premier international research centers. Travel information and expectations will be reviewed (3 hours).

Aug. 15-28, 2009
Mexico itinerary

Sept. 10, 2009
**Location:** College Station
**Activity:** Student meeting to discuss development of presentations and receive feedback on the program. Students will take a written exam at this meeting. (2 hours)

Sept. 10-Oct. 01, 2009
**Location:** College Station
**Activity:** Seminar preparation assistance. (1 hour, flexible dates)

Sept. 16 and 23, 2009
**Location:** College Station
**Activity:** Student presentation of reports and group discussion of CGIAR and CIMMYT. Written report due at this time (1 hour).
## MEXICO ITINERARY

<table>
<thead>
<tr>
<th>Date</th>
<th>Lodging</th>
<th>Morning</th>
<th>Afternoon</th>
<th>Evening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 15</td>
<td>CIMMYT</td>
<td>Travel to Mexico City</td>
<td>Arrive at CIMMYT / brief informal tour</td>
<td>Free time</td>
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<tr>
<td>Saturday</td>
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<tr>
<td>Aug. 16</td>
<td>CIMMYT</td>
<td>Teotihuacan pyramids</td>
<td>Teotihuacan pyramids</td>
<td>Free time</td>
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<tr>
<td>Sunday</td>
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<tr>
<td>Aug. 17</td>
<td>CIMMYT</td>
<td>Bioinformatics</td>
<td>Grain quality</td>
<td>Dinner with CIMMYT staff</td>
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<tr>
<td>Monday</td>
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<tr>
<td>Aug. 18</td>
<td>CIMMYT</td>
<td>Corn Breeding</td>
<td>Wheat Breeding</td>
<td>Dinner in Texcoco</td>
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<tr>
<td>Tuesday</td>
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<tr>
<td>Aug. 19</td>
<td>CIMMYT</td>
<td>Subsistence farmers</td>
<td>Subsistence farmers</td>
<td>Free time</td>
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<tr>
<td>Wednesday</td>
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<tr>
<td>Aug. 20</td>
<td>CIMMYT</td>
<td>INIFAP @ Univ. of Chapingo</td>
<td>Biotechnology, Economics</td>
<td>Free time</td>
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<td>Thursday</td>
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<tr>
<td>Aug. 21</td>
<td>CIMMYT</td>
<td>travel</td>
<td>Aqua Fria Station</td>
<td>Free time</td>
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<tr>
<td>Friday</td>
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<tr>
<td>Aug. 22</td>
<td>Tzlatizapan</td>
<td>Mid-Altitude station</td>
<td>Mid-Altitude station</td>
<td>Free time</td>
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<tr>
<td>Saturday</td>
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<tr>
<td>Aug. 23</td>
<td>Taxco</td>
<td>Visit the Salto de Granado</td>
<td>Visit the Salto de Granado</td>
<td>Free time</td>
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<td>Sunday</td>
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<tr>
<td>Aug. 24</td>
<td>Taxco</td>
<td>Travel</td>
<td>Free time</td>
<td>Free time</td>
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<td>Monday</td>
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<tr>
<td>Aug. 25</td>
<td>Mexico City</td>
<td>Free time in Taxco</td>
<td>Travel to Mexico City</td>
<td>Free time</td>
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<tr>
<td>Tuesday</td>
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<td>Aug. 26</td>
<td>Mexico City</td>
<td>Anthropology Museum</td>
<td>Museum of Fine Art</td>
<td>Ballet Folclorico</td>
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<td>Wednesday</td>
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### Grading:

Exam: 10%
Case Assessment: 10%
Seminar: 30%
Participation: 50%

### Assignments:

The exam will include topics experienced during the trip to Mexico. Test questions will be multiple choice and short answer. The exam for AGRO 689 will be more complex than for AGRO 489.

The case assessment, due at the end of the course, shall contain a brief overview of the research programs. It shall also include an evaluation of the strengths and weaknesses of the centers’ mission and effectiveness. Students will also provide suggestions for improving the program both from internal and external parties.
The seminar will be expected Sept. 17 – 23, 2009. It will be a slide presentation on a topic that will be assigned after returning to College Station. The presentation will be in front of the faculty, staff, students and guests of the Soil and Crop Science Department. There are three seminar dates and students will be assigned a time slot. The seminar is scheduled for 1 hour but several students will present during this time period. The average length of each student’s presentation should be about 10 minutes.

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Steve Hague
Assistant Professor, Cotton and Perennial Oilseed Breeding
Texas A&M University, College Station, TX 77843-2474
Office: 979.845.8248; Mobile: 979.255.1818; e-mail: shague@tamu.edu

EDUCATION
2000: Ph.D., Texas A&M University, Department of Soil and Crop Science  
1997: M.S., Texas Tech University, Department of Agronomy, Horticulture and Entomology  
1994: B.S., Texas A&M – Commerce, Department of Agricultural

EXPERIENCE
07-06 – present: Assistant Professor, Cotton and Perennial Oilseed Breeder, Department of  
Soil and Crop Sciences, Texas A&M University, College Station, TX  
12-03 – 7-06 Cotton Breeder, Station Manager, FiberMax’s Bayer Cotton Seed  
International, Leland, MS  
6-00 – 12-03 Assistant Professor, Cotton and Soybean Agronomist, Louisiana State  
University, Northeast Research Station, St. Joseph, LA

Significant 5 year accomplishments
Research: Release of 16 commercial cultivars (FiberMax) which accounted for 36.99% market share in Texas and  
17.68% share in the U.S. in 2008 according to the USDA-AMS. Release of two germplasm lines, TAM SIUP 98 and  
TAM SIUP 162, that are the result of interspecific hybridization. Development of drought screening protocols to  
identify drought tolerant cotton genotypes.
Teaching: Duties include teaching AGRO 304 (Plant Breeding and Genetics), AGRO 489 and 689 (Study Abroad:  
International Agricultural Research Stations – Mexico), AGRO 689 (Agricultural Experimental Design and  
Analysis). Graduate student training has including chairing of three students (2 Ph.D. and 1 M.S.) and co-chairing  
five others. Co-advisor for the undergraduate agronomy club.
Research Summary
Publications
3 referred journal articles
7 experiment station/departmental
28 proceedings
3 book chapters
2 popular press articles
Technology Transfer
16 commercial cultivars
2 germplasm releases
1 standard operating procedure
Honors and Awards
Bayer CropScience ‘You Can’t Pick Better’ award - 2005
Professional affiliations
American Society of Agronomy (2000 – present)
Crop Science Society of America (2000- present)
Texas Agronomy Society of America (2007- present) (2008 Vice-President)
International Cotton Genome Initiative (2007 –present) (Secretary/treasurer)
Publications (last 5 years)
Agriculture Magazine. 46 (2).
of the Beltwide Cotton Conferences. Memphis, TN. 2026.


