



**ARIZONA STATE UNIVERSITY
PROPOSAL TO ESTABLISH A NEW GRADUATE DEGREE**

This template is to be used only by programs that have received specific written approval from the University Provost's Office to proceed with internal proposal development and review. A separate proposal must be submitted for each individual new degree program.

DEGREE PROGRAM

College/School(s) offering this degree: College of Technology and Innovation

Unit(s) within college/school responsible for program: Morrison School of Agribusiness and Resource Management

If this is for an official joint degree program, list all units and colleges/schools that will be involved in offering the degree program and providing the necessary resources:

Proposed Degree Name: PhD in Agribusiness and Resource Management

Doctoral Degree Type: PhD

Proposed title of major: Agribusiness and Resource Management

Is a program fee required? Yes ☐ No ☒

Is the unit willing and able to implement the program if the fee is denied? Yes ☐ No ☐ N/A

Requested effective term: Fall and year: 2013

(The first semester and year for which students may begin applying to the program)

PROPOSAL CONTACT INFORMATION

(Person to contact regarding this proposal)

Name: Timothy J Richards

Title: Professor and Morrison Chair

Phone: 480-772-1488

email: trichards@asu.edu

DEAN APPROVAL

This proposal has been approved by all necessary unit and College/School levels of review, and the College/School(s) has the resources to offer this degree program. I recommend implementation of the proposed degree program. *(Note: An electronic signature, an email from the dean or dean's designee, or a PDF of the signed signature page is acceptable.)*

College Dean name: Dean Mitzi Montoya

College Dean Signature See attached email approval **Date:** _____

College Dean name:
(if more than one college involved)

College Dean Signature _____ **Date:** _____

**ARIZONA STATE UNIVERSITY
PROPOSAL TO ESTABLISH A NEW GRADUATE DEGREE**

This proposal template should be completed in full and submitted to the University Provost's Office [mail to: curriculumplanning@asu.edu]. It must undergo all internal university review and approval steps including those at the unit, college, and university levels. A program **may not** be implemented until the Provost's Office notifies the academic unit that the program may be offered.

DEGREE PROGRAM INFORMATION

Doctoral Type: PhD
(E.g. PhD, EdD, or other)

Proposed title of major: Agribusiness and Resource Management

1. PURPOSE AND NATURE OF PROGRAM:

A. Brief program description –

The Morrison School of Agribusiness and Resource Management (MSARM, a unit within the College of Technology and Innovation, CTI) proposes a PhD in Agribusiness and Resource Management (ARM). MSARM has offered a Agribusiness concentration under the Ph.D. in Business Administration jointly with the W. P. Carey School of Business since 2008, but wishes to establish a stand-alone Ph.D. to be housed in CTI. The PhD in ARM will train a new generation of scholars who will be fully capable of assuming faculty positions in the top Agribusiness and Resource Management programs in the world. The focus of the degree will be the rigorous theoretical and empirical study of issues unique to the food, energy, environment, resource, water and habitat systems in the US and abroad. The PhD is inherently interdisciplinary as it will combine study in environmental sciences, business and sustainability to produce scholars capable of conducting research that cuts across many traditional fields of inquiry. ARM PhD students will build their programs of study around a core of agribusiness, ecology, economics, statistics and organizational theory courses and include a seminar in the Morrison School as a key integrating experience. Required course work in the Morrison School consists of three Ph.D-level courses that will provide the student with more in-depth study of how advanced concepts in these areas apply to problems unique to agribusiness and resource management. After completing their required core course work, ARM Ph.D. students will specialize in a particular area and will be expected to complete a dissertation that meets the standards of academic excellence maintained by the Morrison School and ASU more generally. Each student will be encouraged to include committee members external to MSARM to reflect the interdisciplinary nature of the degree.

- B. Will concentrations be established under this degree program?** ☐ Yes ☒ No
(Please provide additional concentration information in the operational appendix – number 5A.)

2. PROGRAM NEED - Explain why the university should offer this program (include data and discussion of the target audience and market).

The proposed Ph.D. will address two key market needs, and play a critical strategic role in helping define ASU as a leader in an important and emerging field of inquiry. Agribusiness and Resource Management are two areas of critical need for new Ph.D. graduates among top research universities, industry and government agencies. Undergraduate enrollments in both areas are increasing as issues of food security, resource sustainability and environmental stewardship enter the public narrative as core public policy, and business management issues. Agribusiness is typically taught in departments of agricultural economics, which are located in nearly every land-grant university in the US -- some 42 programs in total with 15 thousand undergraduate students. Yet, there are no agribusiness Ph.D. programs in the US prepared to train new professors to take the place of a wave of expected retirements. Similarly, the vast majority of new job openings in the fields of agribusiness, agricultural economics and environmental economics are in environmental economics and sustainability, so our degree aims to fill two critical market needs.

The proposed degree has a successful history at ASU as the Agribusiness concentration under the Ph.D. in Business Administration degree within the W.P. Carey School of Business, with 13 PhD students in the fall of 2012. Due to the move of the Morrison School of Agribusiness and Resource Management from the WPCSB to the College of Technology and Innovation, the respective Deans agreed that the concentration should be moved from the WPCSB to CTI. Thus, the CTI is submitting this new degree proposal.

The proposed Ph.D. degree will leverage the Morrison School's national leadership position in agribusiness and resource management research to become recognized as a primary source for new faculty members trained specifically to teach, and to conduct research in these areas. Although graduate schools in agricultural economics do not offer agribusiness, many of them have Ph.D. programs in environmental and resource economics, development economics or agricultural economics defined generally. These programs are fundamentally different as they are theoretical, compared to the applied nature of our approach, are not intended to be relevant to business and are generally taught principally by economists. None, however, offer Ph.D.-level training in resource management, or the application of bioeconomic and management principles to the optimal stewardship of natural resources. In a recent issue of the AEA job-listing newsletter, Job Openings for Economists (JOE), there were some 70 positions advertised for recent Ph.D.s in areas that our resource management Ph.D.s would be well-qualified to apply. Offering a Ph.D. in resource management also complements graduate study in environmental economics in the W. P. Carey School, sustainability in the Global Institute of Sustainability, and human behavior and ecology in the School of Life Sciences. In fact, we have had significant interaction with each of these departments, with their students taking our courses, and our students taking theirs (eg. 5 of 10 students in AGB 701 in Fall 2011 were from SOLS). With this degree, MSARM will become a full partner in an important strategic area for ASU.

3. IMPACT ON OTHER PROGRAMS - Attach any letters of collaboration/support from impacted programs. (see Checklist coversheet)

See attachments from the W.P. Carey School of Business and the Schools of Community Resources and Development, Sustainability and Life Sciences. These are the primary units that we have established patterns of interaction with (student crossover) in the current Ph.D. program. The proposed degree program will replace an existing Agribusiness concentration under the Ph.D. in Business Administration offered by W. P. Carey, clarifying who offers this degree, and will not substitute for, or compete with, any other degree program at the University.

4. PROJECTED ENROLLMENT - How many new students do you anticipate enrolling in this program each year for the next five years? Please note, The Arizona Board of Regents (ABOR) requires nine masters and six doctoral degrees be awarded every three years. Thus, the projected enrollment numbers must account for this ABOR requirement.

The estimates below are based on current enrollment in the existing Agribusiness concentration under the Ph.D. in Business Administration.

5-YEAR PROJECTED ANNUAL ENROLLMENT					
Please utilize the following tabular format.	1st Year	2nd Year (Yr 1 continuing + new entering)	3rd Year (Yr 1 & 2 continuing + new entering)	4th Year (Yrs 1, 2, 3 continuing + new entering)	5th Year (Yrs 1, 2, 3, 4 continuing + new entering)
Number of Students Majoring (Headcount)	10	13	14	15	17

5. STUDENT LEARNING OUTCOMES AND ASSESMENT:

A. **List the knowledge, competencies, and skills** students should have attained by graduation from the proposed degree program. (You can find examples of program Learning Outcomes at (<http://www.asu.edu/oue/assessment.html>)).

Outcome 1. Graduates of the MSARM Ph.D. program will be able to identify issues of critical research and policy interest in the agribusiness and resource management fields.

Outcome 2. MSARM Ph.D.s will formulate appropriate conceptual models, grounded in economic or behavioral theory, that explain observed behaviors or market outcomes in agribusiness or natural resource management.

Outcome 3. MSARM Ph.D. graduates will gather either primary or secondary data, design rigorous empirical methods of analysis, and interpret results obtained by analyzing their data.

Outcome 4. Ph.D. graduates will conceive, research, analyze and write-up manuscripts of publishable quality by their fourth year of enrollment.

Outcome 5. Agribusiness and Resource Management Ph.D.s will design experiments, conduct lab sessions, gather data, and analyze those data in appropriate ways.

Outcome 6. It is expected that MSARM Ph.D. graduates will compete for faculty positions at any peer or aspirational-peer school to ASU.

B. **Describe the plans and methods to assess** whether students have achieved the knowledge, competencies and skills identified in the Learning Outcomes. (You can find examples of assessment methods at (<http://www.asu.edu/oue/assessment.html>)).

Measure 1. Core requirement for successful proposal defense.

Performance 1.1 All students must identify an issue of general and novel concern to the academy or industry.

Measure 2. First question on comprehensive exam

Performance 2.1 At least 80% of students will receive at least a B grade on first comp question (Applied Microeconomics).

Performance 2.2 At least 80% of students will receive at least a B grade on fourth comp question (Quantitative Methods).

Measure 3. Empirical chapter in dissertation

Performance 3.1 All students should demonstrate empirical competency through the data analysis section of their dissertations.

Performance 3.2 At least 80% of students will receive at least a B grade on second comp question (Applied Microeconomics).

Performance 3.3 At least 80% of students will receive at least a B grade on third comp question (Risk Management and Finance).

Measure 4. Third-year paper requirement.

Performance 4.1 MSARM faculty assess third-year papers from a manuscript reviewer's perspective: It is expected that 80% of students to receive a revise / resubmit on first submission for grading.

Measure 5. Experimental economics requirement.

Performance 5.1 At least 80% of students will receive at least a B grade on a paper from AGB701 (Advanced Agribusiness I), 702 (Advanced Agribusiness II) or a field course that demonstrates primary data-gathering competence.

Measure 6. Obtaining job offers.

Performance 6.1 At least 60% of MSARM Ph.D. graduates will obtain at least one job offer from a peer institution.

6. **ACCREDITATION OR LICENSING REQUIREMENTS (if applicable):** Provide the names of the external agencies for accreditation, professional licensing, etc. that guide your curriculum for this program, if any. Describe any requirements for accreditation or licensing.

N/A

7. **FACULTY, STAFF, AND RESOURCE REQUIREMENTS:**

A. **Faculty**

- i. **Current Faculty** - List the name, rank, highest degree, area of specialization/expertise and estimate of the level of involvement of all current faculty members who will teach in the program.

Bateman, Heather, Assistant Professor, Ph. D, Habitat Modification, High Involvement

Englin, Jeffrey, Professor, Ph.D., Environmental Economics, High Involvement

Grebitus, Carola, Assistant Professor, Ph. D, Consumer Economics, High Involvement

Green, Douglas, Associate Professor, Ph.D., Soils and Riparian Ecology, Moderate Involvement

Hughner, Renee, Associate Professor, Ph. D, Consumer Behavior, Moderate Involvement

Miller, William, Associate Professor, Ph. D, Ecology, Moderate Involvement

Nganje, William, Associate Professor, Ph. D., Risk Management, High Involvement

Olson, Larry, Associate Professor, Ph. D, Environmental Toxicology, Moderate Involvement

Qiu, Lucy, Assistant Professor, Ph. D., Energy Economics, High Involvement

Richards, Timothy, Professor, Ph. D., Quantitative Marketing, High Involvement

Schmitz, Troy, Associate Professor, Ph. D., International Trade, High Involvement

- ii. **New Faculty** - Describe the new faculty hiring expected during the next three years to sustain the program. List the anticipated hiring schedule and financial sources for supporting the addition of these faculty members.

Associate / Full Professor and Marley Chair of Consumer Food Marketing. Anticipated hiring Fall 2013, position partially supported by Marley Foundation.

- iii. **Administration of the program** - Explain how the program will be administered for the purposes of admissions, advising, course offerings, etc. Discuss the available staff support.

Admissions will be administered by CTI staff, and advising is conducted by Ph.D. program coordinator, Dr. Richards. Applicants are screened by the MSARM graduate committee, and a list of successful candidates is sent to the CTI and Graduate College offices. This model has been in place for five years (transitioning from WPC to CTI) and has worked well. MSARM has sufficient staff to support the program.

- B. **Resource requirements needed to launch and sustain the program:** Describe any new resources required for this program's success such as new staff, new facilities, new library resources, new technology resources, etc

None, as the program's predecessor has been functioning for years.

8. **COURSES:**

- A. **Course Prefix(es):** Provide the following information for the proposed graduate program.

- i. Will a new course prefix(es) be required for this degree program?

Yes ☐ No ☒

- ii. If yes, complete the [Course Prefixes / Subjects Form](#) for each new prefix and submit it as part of this proposal submission.

- B. **New Courses Required for Proposed Degree Program:** Provide course prefix, number, title, and credit hours and description for any new courses required for this degree program.

No new courses are required for this proposed degree. However, the academic unit will be submitting requests for name changes to existing courses to reflect the full agribusiness and resource management content that is currently offered in these courses.

**APPENDIX
OPERATIONAL INFORMATION FOR GRADUATE PROGRAMS**

(This information is used to populate the [Graduate Programs Search](#)/catalog website.)

1. Provide a brief (catalog type - no more than 150 words) program description.

The Morrison School of Agribusiness and Resource Management offers an interdisciplinary Ph.D. in Agribusiness and Resource Management (ARM). Ph. D. study in ARM involves the application of theory and quantitative methods in economics, finance, marketing and resource management to issues involved in the production, distribution and marketing of food and fiber and the management and stewardship of natural resources. ARM Ph.D. students study topics such as consumer behavior, strategic marketing, risk management, international agricultural trade and policy, management of invasive species, the demand for non-market environmental goods and efficient management of natural resources, including water. The objective of the Ph.D. program is to produce scholars who are trained in the latest methods of economic analysis while at the forefront of problem solving in sectors critical to natural resources and the global economy. With this background, graduates of this degree program are expected to assume teaching and research positions at top-ranked research universities.

2. Campus(es) where program will be offered:

(Please note that Office of the Provost approval is needed for ASU Online campus options.)

☐ **ASU Online only (all courses online)**

All other campus options (please select all that apply):

☐ Downtown ☒ Polytechnic
☐ Tempe ☐ West

☐ **Both on-campus and** ☐ **ASU Online (*)** - (Check applicable campus from options listed.)

(*) Please note: Once students elect a campus option, students will not be able to move back and forth between the on-campus (in-person) or hybrid options and the ASU Online campus option.

3. Admission Requirements:

All applicants must submit the Graduate College online admissions application. Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GRE or GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good fit between the student's goals and the department. A recommendation for action is then made to the director of the Morrison School of Agribusiness and Resource Management in the College of Technology and Innovation who, in turn, makes a recommendation to the Graduate College. The Graduate College admits or denies each applicant and notifies them in writing.

Degree: Minimum of a Bachelor's or master's degree in what fields, or a closely related field from a regionally accredited College or University. Bachelor's or Master's degree in agribusiness, economics, business, environmental management or closely related field from an accredited university

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's degree program. Minimum of 3.00 cumulative GPA (scale is 4.0 = A) in the applicable Master's degree.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate College requirement. (see Graduate College requirement http://graduate.asu.edu/admissions/international/english_proficiency): ☒ **Yes** ☐ **No**

If applicable, list any English proficiency requirements that are supplementary to the Graduate College requirement.

Foreign Language Exam:

Foreign Language Examination(s) required? ☐ Yes ☒ No

If yes, list all foreign languages required:

Required Admission Examinations: ☒ GRE or ☒ GMAT ☐ Millers Analogies ☐ None required
(Select all that apply.)

Letters of Recommendation: ☒ Yes ☐ No

4. **Application Review Terms (if applicable Session):** Indicate all terms for which applications for which admissions are accepted and the corresponding application deadline dates, if any.

☒ Fall (regular) Deadline (month/year): February each year
☐ Session B Deadline (month/year):
☒ Spring (regular) Deadline (month/year): August each year
☐ Session B Deadline (month/year):
☐ Summer I Deadline (month/year):
☐ Summer II Deadline (month/year):

5. **Curricular Requirements:**

(Please expand tables as needed. Right click in white space of last cell. Select "Insert Rows Below")

5A. Will concentrations be established under this degree program? ☐ Yes ☒ No

5B. Curricular Structure:

Required Core Courses for the Degree			Credit Hours
(Prefix & Number)	(Course Title)	(New Course?) Yes or No?	21
ECN 510	Microeconomic Theory and Applications	No	3
ECN 525	Applied Regression Models	No	3
ECN 535	Applied Econometrics	No	3
SMC 540 (or similar)	Foundations of Applied Cognitive Science	No	3
AGB 701	Current: Advanced Agribusiness I Will propose change to: Advanced Agribusiness and Resource Management I	No	3
AGB 702	Current: Advanced Agribusiness II Will propose change to: Advanced Agribusiness and Resource Management II	No	3

AGB 703	Current: Agribusiness Research Methods Will propose change to: Agribusiness and Resource Management Research Methods	No	3
<u>Elective or Research Courses</u> (as deemed necessary by supervisory committee)			<u>Credit Hours</u>
(Prefix & Number)	(Course Title)	(New Course?) Yes or No?	27
AGB 792	Current: Agribusiness Research Will propose change to: Agribusiness and Resource Management Research	No	12
Committee Approved Electives (*)	* These courses may come from within the School or from academic units offering related Agribusiness or Resource Management focused coursework.	No	12
AGB 791	Current: Agribusiness Doctoral Seminar Will propose change to: Agribusiness and Resource Management Doctoral Seminar	No	3
<u>Culminating Experience</u> <i>E.g. - Capstone course, applied project, <u>thesis (masters only)</u> – 6 credit hours) or <u>dissertation (doctoral only)</u> – 12 credit hours) as applicable</i>			<u>Credit Hours</u> 12
Current: Agribusiness Dissertation Will propose change to: AGB 799 Agribusiness and Resource Management Dissertation			12
<u>Other Requirements</u> <i>E.g. - Internships, clinical requirements, field studies as applicable</i>			<u>Credit Hours</u> 24
Committee-approved MS level course work if student does not have a MS degree when entering the program.			24
<u>For doctoral programs</u> – when approved by the student's supervisory committee, will this program allow 30 credit hours from a previously awarded master's degree to be used for this program? If applicable, please indicate the 30 credit hour allowance that will be used for this degree program.			Yes
Total required credit hours			84.0

- List all required core courses and total credit hours for the core (required courses other than internships, thesis, dissertation, capstone course, etc.).
- Omnibus numbered courses cannot be used as core courses.
- Permanent numbers must be requested by submitting a course proposal to Curriculum ChangeMaker for approval. Courses that are new, but do not yet have a new number can be designated with the prefix, level of the course and X's (e.g. ENG 5XX or ENG 6XX).

6. Comprehensive Exams:

Master's Comprehensive Exam (when applicable), please select the appropriate box.

(Written comprehensive exam is required)

- ☐ Oral comprehensive exam is required – in addition to written exam
- ☐ No oral comprehensive exam required - only written exam is required

Doctoral Comprehensive Exam (required), please select the appropriate box.

(Written comprehensive exam is required)

- ☐ Oral comprehensive exam is required – in addition to written exam
- ☒ No oral comprehensive exam required - only written exam is required

- 7. For Doctoral Degrees that require a dissertation, submission of a written dissertation prospectus and its oral defense are required. (Please include any required timelines for defense of the prospectus.) It is expected that the submission of a written dissertation prospectus and its oral defense will take place no later than the end of the fourth year.**

All students will defend their prospectus by the end of their third year of residency. If the comprehensive (written) is passed at the end of the second year, the student will be admitted to candidacy.

- 8. Allow 400-level courses:** ☒ **Yes** ☐ **No** (No more than 6-credit hours of 400-level coursework can be included on a graduate student plan of study.)

- 9. Committee:** Required Number of Thesis or Dissertation Committee Members (must be at least 3 including chair or co-chairs):

Minimum committee size is three members, with at least two from the unit.

- 10. Keywords** (List all keywords that could be used to search for this program. Keywords should be specific to the proposed program.)

Agribusiness, food marketing, resource management, agricultural economics, food safety, food production, environmental, sustainability, environmental policy, bioeconomic, stewardship

11. Area(s) of Interest

- A. Select one (1) primary Area of Interest from the list below that applies to this program.

- | | |
|--|--|
| <input type="checkbox"/> Architecture, Construction & Design | <input type="checkbox"/> Engineering & Technology |
| <input type="checkbox"/> Artistic Expression & Performance | <input type="checkbox"/> Environmental Issues & Physical Sci |
| <input type="checkbox"/> Biological Sciences, Health & Wellness | <input type="checkbox"/> Interdisciplinary Studies |
| <input checked="" type="checkbox"/> Business, Management & Economics | <input type="checkbox"/> Languages & Cultures |
| <input type="checkbox"/> Communication & Media | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Computing & Mathematics | <input type="checkbox"/> Social Science, Policies & Issues |
| <input type="checkbox"/> Education & Teaching | |

- B. Select any additional Areas of Interest that apply to this program from the list below.

- | | |
|--|---|
| <input type="checkbox"/> Architecture, Construction & Design | <input type="checkbox"/> Engineering & Technology |
| <input type="checkbox"/> Artistic Expression & Performance | <input checked="" type="checkbox"/> Environmental Issues & Physical Sci |
| <input checked="" type="checkbox"/> Biological Sciences, Health & Wellness | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Business, Management & Economics | <input type="checkbox"/> Languages & Cultures |
| <input type="checkbox"/> Communication & Media | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Computing & Mathematics | <input type="checkbox"/> Social Science, Policies & Issue |
| <input type="checkbox"/> Education & Teaching | |

From: [Mitzi Montoya](#)
To: [Scott Danielson](#)
Subject: Re: PhD in Agribusiness and Resource Management Proposal Approval
Date: Friday, December 28, 2012 3:03:01 PM

Approved

Mitzi Montoya
Sent from my DROID

Scott Danielson <Scott.Danielson@asu.edu> wrote:

Dean Montoya,

I am asking for your approval on the attached proposal for a PhD in Agribusiness and Resource Management to be offered in the College of Technology and Innovation at the Polytechnic campus. Your approval is needed before I can send the proposal forward to the Provost's office.

Your approval indicates that the proposal has been approved by the Department and College levels of review and the College has the resources to offer this degree program. Thus, you recommend implementation of the proposed degree program.

Thank you.

Scott Danielson, Ph.D., P.E.
Associate Dean for Academic Programs
College of Technology and Innovation
Arizona State University
480-727-1185

From: [Scott Danielson](#)
To: [Amy Hillman](#)
Cc: [Kay Faris](#)
Subject: RE: PhD in Agribusiness and Resource Management
Date: Thursday, January 03, 2013 4:35:00 PM

Hi Amy,

I will make those changes. Thanks.

Scott

From: Amy Hillman
Sent: Thursday, January 03, 2013 4:25 PM
To: Scott Danielson
Cc: Kay Faris
Subject: RE: PhD in Agribusiness and Resource Management

Hi Scott,

Thanks. If you remove “environmental economics” and “microeconomics” we approve.

Amy

From: Scott Danielson
Sent: Thursday, January 03, 2013 2:08 PM
To: Amy Hillman
Cc: Kay Faris
Subject: RE: PhD in Agribusiness and Resource Management

Amy,

Thank you for the response and comment.

I’ll remove the phrase “environmental economics” from the proposal. Does that secure the WPCSB support for the degree proposal?

Thanks.

Scott

Scott Danielson, Ph.D., P.E.
Associate Dean for Academic Programs
College of Technology and Innovation
Arizona State University

From: Amy Hillman
Sent: Wednesday, January 02, 2013 2:34 PM

To: Scott Danielson
Cc: Kay Faris
Subject: FW: PhD in Agribusiness and Resource Management

Hi Scott,

See feedback below from Art Blakemore, chair of the Economics department. We don't object to the agribusiness language but do object that the scope includes environmental economics. Let us know if you intend to revise or would like other details about what we already do in this area.

Amy

Amy J. Hillman
Rusty Lyon Chair of Strategy
Executive Dean
W. P. Carey School of Business
Arizona State University
amy.hillman@asu.edu

From: Arthur Blakemore
Sent: Wednesday, January 02, 2013 1:10 PM
To: Amy Hillman
Subject: RE: PhD in Agribusiness and Resource Management

I have read this over and do object to this part: After completing their required core course work, ARM Ph.D. students will specialize in a particular field (Environmental Economics, Microeconomics. That 90% replicates what we do and I suspect things Sustainability does as well. I talked with Betty. She does not want duplicate (expensive) PhD programs in this area. We can reach out to them and offer to have them participate in our programs. We do not do energy economics for instance.

From: Amy Hillman
Sent: Saturday, December 29, 2012 8:24 AM
To: Arthur Blakemore
Subject: Fwd: PhD in Agribusiness and Resource Management

Do you object to this proposal from CTI/Morrison?

Amy

Amy Hillman
Rusty Lyon Chair of Strategy
Executive Dean
Arizona State University
amy.hillman@asu.edu

Begin forwarded message:

From: Kay Faris <KAY.FARIS@asu.edu>
Date: December 28, 2012, 12:48:57 PM PST
To: Amy Hillman <AMY.HILLMAN@asu.edu>
Subject: FW: PhD in Agribusiness and Resource Management

Amy, who should review this for us?

Kay A. Faris
Associate Dean
W. P. Carey School of Business
Arizona State University
Tempe, AZ 85287-3406
480-965-7587 (voice)
480-965-3846 (fax)

From: Scott Danielson
Sent: Thursday, December 27, 2012 11:28 AM
To: Kay Faris
Cc: Chell Roberts
Subject: PhD in Agribusiness and Resource Management

Kay,

I hope you had a good Christmas and will have a Happy New Year!

Attached is a synopsis of the new PhD in Agribusiness and Resources Management degree we are proposing to replace the existing concentration in the Carey School's PhD in Business Administration. As you may recall, we were directed by Dean Allison to do new degree proposal when we raised the question of moving the current concentration to CTI.

We would appreciate a statement of support from the WP Carey School of Business for this new degree. If there are any questions or concerns, please do not hesitate to contact me.

Thank you.

Scott

Scott Danielson, Ph.D., P.E.
Associate Dean for Academic Programs
College of Technology and Innovation
Arizona State University
480-727-1185

Additional Letters of Support – (*School of Community Resources and Development, School of Sustainability, and School of Life Sciences*)

From: Kathleen Andereck - **Sent:** Thursday, January 31, 2013 11:10 AM
To: Nancy Rodriguez; Arnold Danzig - **Cc:** Timothy Richards
Subject: RE: Agribusiness and Resource Management PhD

Hi Tim,

I looked at your PhD proposal. I'm not seeing any obvious connections for classes for our students in your new program and vice versa, though there may occasionally be one who has some interest. We have quite a few faculty and students with natural resource management backgrounds but it runs more toward forestry than environmental studies. Most focus on recreation management in parks and protected areas—the social science side—so if you have students with that interest we will have some connectivity. We do have one person working in water resources, Dave White, who is co-director of the DCDC and there may be potential for interaction with him. Good luck with your new program.

Kathy

Kathleen Andereck, Ph.D.
Director and Professor, [School of Community Resources and Development](#)
Senior Sustainability Scientist, Global Institute of Sustainability
Arizona State University
Now offering the Master of Advanced Study in Sustainable Tourism



<http://scrd.asu.edu/sustainable-tourism>

From: Nancy Rodriguez - **Sent:** Friday, January 25, 2013 7:48 PM
To: Arnold Danzig; Kathleen Andereck - **Cc:** Timothy Richards
Subject: FW: Agribusiness and Resource Management PhD

Hi Arnie and Kathy,

Please review the attached proposal and refer comments/suggestions to Tim.

Thanks,
Nancy

Nancy Rodriguez, Ph.D.
Associate Dean and Professor
Arizona State University | College of Public Programs
411 N. Central Ave., Suite 750 | Phoenix, Arizona | 85004

From: Timothy Richards - **Sent:** Thursday, January 24, 2013 1:10 PM
To: Jonathan Koppell - **Cc:** Nancy Rodriguez
Subject: Agribusiness and Resource Management PhD

Drs. Koppell and Rodriguez,

I am director of the PhD program in Agribusiness in the Morrison School. For the past five years, we have operated our PhD as a concentration under the W. P. Carey Bus Admin PhD. Now that we are in

Additional Letters of Support – (*School of Community Resources and Development, School of Sustainability, and School of Life Sciences*)

the College of Technology and Innovation, we are now applying to create a “new” PhD program in agribusiness and resource management. As part of that process, we need to reach out to potentially related units at ASU, both to obtain comment and to send out feelers for potential collaboration at the PhD level.

Could you please have a look at the attached proposal and let me know your thoughts on how our PhD may fit with your graduate program, either in terms of your students taking some of our classes, ours taking some of yours, or whether there may be some intersection in our research interests? Thanks.

Regards,

Tim

School of Sustainability

From: Candice Carr Kelman - **Sent:** Wednesday, January 23, 2013 4:18 PM
To: Timothy Richards - **Cc:** Sander Van Der Leeuw
Subject: RE: Morrison School PhD

Timothy,

Thank you for letting us know about the development of this program. There is certainly potential here for us to collaborate and perhaps contribute to this program. I wonder if you are willing to have your students take courses on the Tempe Campus? (I noticed that only the Polytechnic box was checked on the form).

We have a significant number of courses and experts in food systems, here in SOS (Hallie Eakin, Marty Anderies, Rimjhim Aggarwal and others) and also in Nutrition (Chris Wharton). Clearly there are enormous ecological sustainability and human security concerns to be taken into account when considering the global industrial food system. I would hope that some content/courses on the human and ecological issues around food security and production would be part of a PhD in Agribusiness. In turn, a number of our graduate students are interested in food systems, and may be keen on taking some courses in your program.

Best,
Candice

Candice Carr Kelman, Ph.D.
Assistant Director
School of Sustainability
Arizona State University

From: Timothy Richards - **Sent:** Friday, January 18, 2013 04:11 PM
To: Sander Van Der Leeuw - **Cc:** candice.karr.kelman@asu.edu
Subject: Morrison School PhD

Sander,

We in the Morrison School of Agribusiness and Resource Management are developing a PhD program in agribusiness and resource management. To be more accurate, we are applying for the establishment of

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a new degree that has been taught for five years as a concentration in the W. P. Carey School. As part of that process, we need to reach out to potentially related units at ASU, both to obtain comment and to send out feelers for potential collaboration at the PhD level.

Could you please have a look at the attached proposal and let me know your thoughts on how our PhD may fit with your graduate program, either in terms of your students taking some of our classes, ours taking some of yours, or whether there may be some intersection in our research interests? Thanks.

Regards,

Tim

Timothy J. Richards, Ph.D.

Arizona State University | College of Technology and Innovation

Marvin and June Morrison Chair of Agribusiness and Resource Management

Morrison School of Agribusiness and Resource Management

7231 E. Sonoran Arroyo Mall, San Tan 230B, Mesa, AZ 85212

School of Life Sciences

-----Original Message-----

From: Juergen Gadau - Sent: Tuesday, January 22, 2013 9:49 AM

To: Timothy Richards - Cc: Brian Smith

Subject: RE: Morrison School PhD

Dear Timothy

The proposed PhD program in "Agribusiness and Resource Management" does not overlap with any programs in the School of Life Sciences. I expect that some of our courses are suitable to be taken by students of this program (see e-mail from Charles Perring).

I wish you success with this new program.

Ciao, Juergen

Juergen Gadau

Professor

Arizona State University, School of Life Sciences (SOLS)

Associate Director of Graduate Studies SOLS jgadau@asu.edu

Email from Professor Charles Perrings:

Tim

Additional Letters of Support – (*School of Community Resources and Development, School of Sustainability, and School of Life Sciences*)

Thanks for giving us the opportunity to comment on your PhD proposal.

Your program has been effective as a concentration within the Business Administration PhD in the Carey School and I see no reason why it should not be effective as the core of a stand-alone PhD. However, the change is also an opportunity to think about ways of strengthening the linkages with other programs in ASU that bear on the topic. Since the capacity to bring together skills across a range of disciplines is ASU's main selling point, it would be good to see a more detailed description of how that would be exploited in the new PhD, and to include a list of electives from other schools from which students could choose.

Although you have some information about complementary initiatives elsewhere ASU in your general description of the new PhD, it is not easy to see how they will be exploited. The proposal indicates what you intend to offer within MSARM, but not the rest. The most directly relevant course offered in SoLS is the Natural Resource Economics Course that we currently cross-list with SOS, EC and AMLSS. It could easily be cross-listed with AGB. But there are others within the 4E track in Biology and the ELS program that would also be relevant. Indicating the options open to students with some information as to why these options have been selected—how they complement the core courses—would strengthen the appeal of the proposal.

Hope this helps

Charles

*Charles Perrings
Professor of Environmental Economics
Arizona State University, School of Life Sciences*

-----Original Message-----

From: Timothy Richards - Sent: Tuesday, January 22, 2013 9:45 AM
To: Juergen Gadau - Subject: RE: Morrison School PhD

Thanks for the quick response. I understand that an email is sufficient.

Tim

From: Juergen Gadau - Sent: Tuesday, January 22, 2013 9:09 AM
To: Timothy Richards - Subject: FW: Morrison School PhD

Hi Tim

Brian forwarded me your e-mail. I have forwarded your e-mail to Ann Kinzig and Charles Perring who I think are the two people in SOLS that come closest. I will briefly discuss the proposal in our Graduate Committee. How do you want my feedback?

Ciao, Juergen
Juergen Gadau, Professor
Arizona State University, School of Life Sciences (SOLS)
Associate Director of Graduate Studies SOLS jgadau@asu.edu<<mailto:jgadau@asu.edu>>

From: Juergen Gadau - Sent: Tuesday, January 22, 2013 8:04 AM
To: Charles Perrings; Ann Kinzig - Cc: Brian Smith; 'richards@asu.edu'

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Subject: FW: Morrison School PhD

Hi Ann and Charles

Here is the attachment. Please copy me if you send Tim any comments.

I didn't copy Josh because he is School of Sustainability and Tim wanted feedback from SOLS.

Thanks,

Ciao, Juergen

Juergen Gadau
Professor
Arizona State University
School of Life Sciences (SOLS)
Associate Director of Graduate Studies SOLS jgadau@asu.edu<<mailto:jgadau@asu.edu>>

From: Brian Smith - Sent: Monday, January 21, 2013 4:50 PM
To: Juergen Gadau - Subject: FW: Morrison School PhD

Juergen

Can you provide comments? You can circulate to all faculty who might be able to provide feedback.

Brian

From: Timothy Richards - Date: Fri, 18 Jan 2013 23:16:23 +0000
To: Brian H Smith - Subject: Morrison School PhD

Brian,

I am director of the PhD program in Agribusiness in the Morrison School. For the past five years, we have operated our PhD as a concentration under the W. P. Carey Bus Admin PhD. Now that we are in the College of Technology and Innovation, we are now applying to create a "new" PhD program in agribusiness and resource management. As part of that process, we need to reach out to potentially related units at ASU, both to obtain comment and to send out feelers for potential collaboration at the PhD level.

Could you please have a look at the attached proposal and let me know your thoughts on how our PhD may fit with your graduate program, either in terms of your students taking some of our classes, ours taking some of yours, or whether there may be some intersection in our research interests? Thanks.

Regards, Tim