

Date: July 29, 2016

To: Academic Affairs

From: Frank Galey, Dean, College of Agriculture and Natural Resources

Re: FCS Graduate Program Review

I would recommend this program be continued at the University of Wyoming with the following comments.

- This department faculty, for the most part, have full 3/2 teaching loads. The GA teaching assistance is essential to deliver the curriculum to the undergraduates.
- The program has more applicants than can be accommodated and graduates are well placed.
- It is a growing program, with the onset of the online MS option. This online option took almost 2 years to get approved just this spring. Given the very recent approval, it is my opinion that the program should be allowed to prove itself with this new addition.
- This departmental faculty do not traditionally have a lot of external funding for their creative activities. Thus they are somewhat limited on campus by the number of available state and federal formula-funded GA's.
- Despite the limitations of the funding situation, this program still manages to graduate most of the students in numbers that are just below the cut-off of 15 over 5 years.

Thank you and please let me know if you wish to discuss this further.

Academic Program Review

**Master of Science - Family and Consumer Sciences/Food Science and Human Nutrition
Department of Family and Consumer Sciences
College of Agriculture and Natural Resources
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Part 1 – Program Review

1. Program Demand:

- a. Number of graduates over 5-year period: **14**
- b. Enrollment in major/specialization over 5-year period: **28**

2. Program Quality: Is the program of high quality?

a. Program accreditation

i. For programs currently accredited include: **NA**

1. Name of accrediting body/organization
2. Date most recently accredited
3. Next reaccreditation date
4. List recommendations from most recent visit and progress to date.

ii. For programs seeking accreditation include:

1. Name of accrediting body/organization – **ACEND – the accrediting body for our undergraduate Didactic Program in Nutrition and Dietetics – is in the process of developing criteria to require students seeking the Registered Dietitian credential have a master’s degree.**
2. Timeline for seeking accreditation – **The goal is to have the criteria in place by 2022. We will be exploring the feasibility of incorporating this into our current undergraduate accredited DPND. This would increase the number of graduate students in the FCS department.**

iii. For all other programs include: **NA**

1. Date of most recent Academic Program Review (APR)
2. List of recommendations from the most recent APR and progress to date.

b. Credentials of faculty

Last Name	First Name	Gender	Ethnicity	Highest Degree	Discipline of Highest Degree
Barden	Dianne	Female	White	MA	Teaching
Bittner	Mark	Male	White	MS	Child Development and Family Studies
Brown	Donna	Female	White	PHD	Textile Technology
Cameron	Bruce	Male	White	PHD	Textile Technology
Harmon	Jennifer	Female	White	PHD	Human Sciences, Fashion and Retail Specialization
Irick	Erin	Female	White	PHD	Human Sciences, Apparel Design and Production Specialization
Larson-Meyer	Enette	Female	White	PHD	Nutrition Sciences
Liebman	Michael	Male	White	PHD	Human Nutrition
McElwain	Alyssa	Female	White	PHD	Human Development and Family Studies
McTigue	Kristin	Female	White	MS	Nutrition and Dietetics, Clinical Nutrition Concentration
Meuli	Mindy	Female	White	MS	Food Science and Human Nutrition
Schantz	Rhoda	Female	White	PHD	Food Science
Sprout-Ahrenholtz	Treva	Female	White	MS	Home Economics
Steinman	Bernard	Male	White	PHD	Gerontology
Vincenti	Virginia	Female	White	PHD	Home Economics Education
Wade	Christine	Female	White	PHD	Developmental Psychology

Category	Number	Amount
Grants - Funded*	23	\$ 17,076,820.50
Grants - Submitted (not-funded)	20	
Publications:		
Refereed	50	
Abstracts/Proceedings	31	
Other	25	
Creative Scholarship/Juried Submissions	10	
Presentations:		
Juried/Refereed	43	
Invited	39	
Other	35	
Awards	19	

*Please note \$15,273,664 of the total is for EFNEP/SNAP ED - service-related grant

- c. Program reputation
 - i. If program is ranked, include rank and by what organization. **NA**
 - ii. Include a brief description of any other indicators of program reputation such as demand (e.g. waiting lists or over enrollment) for admission into program, employer data/feedback, etc.

Demand is evidenced by the number of applicants each year who are not accepted into our master's program due to limited financial resources.

- d. Curriculum of major or specialization
 - i. Include a list of courses by prefix, number, title required in the major or specialization (do not include general education course unless required as part of the major requirements.) **Dependent on program of study, students select courses from the following (in consultation with their advisor):**

FCSC	5101	Special Topics in FCSC
FCSC	5102	Special Problems in FCSC
FCSC	5103	Graduate Seminar I
FCSC	5104	Graduate Seminar II
FCSC	5107	FCSC Extension Practicum
FCSC	4112/5117	Family Decision Making and Resource Management
FCSC	4113/5113	Consumer Issues
FCSC	5114	Lifespan Human Development
FCSC	4117/5117	Understanding Community Leadership
FCSC	4118/5118	Family Policy
FCSC	5120	Infancy and Toddlerhood
FCSC	5121	Ethics in Research and Practice
FCSC	5122	Developmental Contexts across the Lifespan
FCSC	5129	Seminar in Child Development
FCSC	5132	Seminar in Family Studies
FCSC	5137	Individual and Family Assessment
FCSC	4138/5138	Family Stress and Coping
FCSC	5140	Nutritional Aspects of Proteins and Amino Acids
FCSC	5141	Carbohydrate and Ethanol Metabolism
FCSC	5142	Nutritional Research Techniques
FCSC	5144	Lipids II
FCSC	4145/5145	Advanced Nutrition
FCSC	4147/5147	Nutrition and Weight Control
FCSC	4150/5150	Experimental Foods
FCSC	5151	Sensory Analysis
FCSC	5172	Advanced Textile Chemistry
FCSC	5173	Textile Science Seminar
FCSC	4175/5175	Textile Testing and Product Analysis
FCSC	4176/5176	Historic Clothing
FCSC	4178/5178	Fiber Arts

FCSC	5179	Historic Textiles
FCSC	4181/5181	Global Textiles
FCSC	4182/5182	Textile Industry Environment
FCSC	4188/5188	Interior Design II
FCSC	5890	Seminar in Food Science and Nutrition

- e. Distance delivery of program/major
 - i. Note if the program is offered online and/or at one of the off-campus attendance centers (e.g., UW-Casper)
- f. Quality of Assessment Plan/Data
 - i. Include a brief description of the program assessment plan and how the data are used to inform decisions related to program quality and student learning.

Oral Communication has been the focus of our department’s assessment of graduate student learning. All students are assessed using the AAC & U value rubric for oral communication during a 15 minute mandatory presentation. The presentation is part of our spring graduate student forum. At this forum, presentations are given in a formal setting to an audience of faculty and students. All faculty members present rate each student’s oral communication using the AAC & U Oral Communication Rubric.

We use the data from our assessment of student learning to guide curricular or programmatic change in our graduate program. We have already started this process by requiring students to attend the departmental forum, but additional changes are most likely needed if we really do wish to improve oral communication in our graduate students.

Family and Consumer Sciences is ranked in Tier Two in regard to graduate-level assessment. The University Assessment Coordinators Committee for 2015 commented in their report to the department, “Great start, but the report needs more concrete information about next steps and curriculum change as a result of the assessment findings.”

- g. Strategic Plan
 - i. Include a brief description of any plans for the program or specialization that appear in the college/department strategic plan (i.e., facilities upgrades, curriculum changes, on-line or off-campus delivery, enrichment learning opportunities, etc.)

It is important to note that the FCSC master’s program has been negatively impacted over the past two years by the lengthy approval process for moving one of our program options (Human Development and Family Sciences) from an on-campus to online delivery.

This process began in May of 2014, at which time we presented Reed Scull, the Associate Dean and Director of the Outreach School, with our initial idea to change the delivery format of the HDFS program option from on-campus to online. Dr. Scull was very supportive of the idea and asked us to submit a formal proposal. We received the support of Donna Brown, then Associate Dean of the College of Agriculture and Natural Resources, and submitted the formal proposal in June. We met with and received approval from the Outreach School's Program Development Committee in July. The Development Committee forwarded the proposal to Dean Frye in late October of 2014, who after some negotiations regarding budgetary issues, approved it in March of 2015. At this point, there was a huge restructuring of the university-level approval process for new or altered programs. Because of this our proposal was held in limbo and not finally discussed at the Graduate Council meeting until October of 2015. Ann Hild approved the proposal at the end of November, 2015. Dr. Scull asked that we unveil the new program at the Outreach School's Academic Coordinators Retreat in February, 2016, which ended up being cancelled due to weather and is now rescheduled for June, 2016.

This drawnout process has meant that the HDFS program option has been essentially on-hold for the past two years as we waited for approval for the change to online delivery. We are extremely excited to begin advertising this year, and even have a student applying to start in Fall of 2016 based solely on word-of-mouth about the program. We expect, beginning Fall 2017, to be back on track with the HDFS program option and to have graduates from the HDFS program option starting Fall of 2019.

As part of the 2014-2020 academic plan draft, the following action item related to graduate education:

Increase departmental graduate program enrollment.

- a. Advocate for FCS students in the Biomedical Science PhD to count in the college GA allocation formula by 2015.
- b. Change the delivery of the HDFS Master's program option to online to allow engagement of place-bound and/or current practitioners across the state and the globe. The HDFS faculty, in conjunction with the Outreach School will begin marketing the program fall 2014 and begin online delivery in fall 2015.
- c. Explore the possibility of changing the delivery format and/or the focus of the Textiles and Merchandising Master's program option by fall of 2017.

h. Other:

3. Mission Centrality: Does the program advance the mission of UW including institutional strategy?
 - a. Describe how the program supports the mission, vision and strategic goals of UW. According to University draft Plan 4, the department supports all the three of the broad goals that were identified: 1) Prepare UW graduates to compete in a global economy; 2)

Achieve measurable progress toward academic excellence in areas of distinction; and 3) Attain greater statewide engagement that enhances the well-being of Wyoming citizens

The department supports the following issues identified in the college’s 2014-2020 draft academic plan: (c) the family farm/ranch (youth development and young people in agriculture); (d) vibrant small communities, community leadership and information basis for decision-making; (e) profitability of agriculture and economic diversity including niches and value-added products; and (i) involvement of local citizens and agriculture in community and state decision making processes.

Family and Consumer Sciences is an interdisciplinary field focused on enhancing the wellbeing of individuals, families, communities and society, either directly or indirectly, within the framework of a sustainable system. Wellbeing is a holistic concept which recognizes the interdependence of emotional, financial, intellectual, occupational, biological, physical, social, spiritual, and environmental dimensions that impact quality of life. Sustainability aims for solutions that equally embody environmental, economic, and social considerations. Because FCS focuses on building the family as a healthy system in society, each of our units can uniquely contribute to this important concept.

- b. Describe how the program contributes to other programs across campus (i.e., general education courses, minor or support courses, interdisciplinary program, etc.) – **NA at graduate level.**
- c. Include placement data for graduates and indicate if graduates are working in the field or not.

First Name	Last Name	Year	Degree	Current Status
Leigh Taylor	Bennett	May-11	MS	New mother; not currently working in field
Yan	Wu	May-11	MS	Currently in a doctoral program at Wayne State University
Bece	Birdsley Ford	Aug-11	MS	Associate Director, UW Residence Life and Dining Services, Laramie
Sonnie	Palm Neiman	Aug-11	MS	Athletic Trainer for Sport Medicine, Regional Health, Spearfish, S.D.
Jessica	Schueler	Dec-11	MS	Practicing Registered Dietitian in Bend, Oregon
Michaela	Kaszuba	Aug-12	MS	Currently living in Laramie. Serves as the Membership Coordinator for the National Acupuncture Detoxification Association
Corinna	Seeley	May-13	MS	Stay at home mother with two small children; lives in Cheyenne, WY
Kathleen	Fantozzi	Aug-13	MS	Currently attending the American University of Rome (Italy)

Lindsey	Balzan Dersham	Dec-13	MS	Elementary teacher, Pine Bluffs, WY; currently new mother of second child
Jenna	Heller	Dec-13	MS	Instructional Professional, Arizona State University College of Health Solutions (Registered Dietitian for primary care/wellness); Tempe, AZ
Amanda	O'Brien	Dec-13	MS	Associate Director, UW SEO/Disability Services, Laramie
Erin	Kyle	Aug-14	MS	Coordinator, Student Activities and Programs for Campus Recreation, UW Half-Acre Gym, Laramie
Pikky	Dewanti	Dec-14	MS	Currently applying to MS and doctoral programs. Her home country is Indonesia but she is still living in the U.S.
Jane	Walukano	Aug-15	MS	New mother; not currently working in field. Her home country is Kenya but she is still living in the U.S.

d. Describe the uniqueness or duplication of this program across the UW.
There is no other program offering interior or apparel design foci. Our human nutrition and food as well as the interdisciplinary food science and human nutrition options are unique. While the human development and family sciences option may have some duplication with departments such as Psychology, our option is the only online terminal Master's degree preparing students to work with individuals and families across the lifespan.

e. Other:

4. Cost: Is the program financially viable?

a. Ratio of student credit hours per FTE

The majority of our graduate level courses are dual listed (4000/5000) – graduate level only classes are offered depending on demand. It can be difficult to tease out enrollment because the courses would have been offered at the undergraduate level regardless of graduate enrollment. The course content of a dual-listed course is the same except that graduate-level enrollees have additional assignments.

b. Direct instructional expenditures:

- i. Per student credit hour – **Because of dual-listed courses, impossible to compute.**
- ii. Per total degrees awarded
- iii. Non-personnel expenditures per total academic FTE - NA

- c. Course enrollment
 - i. Number of classes falling under University minimums – **5**
 - ii. Lower-division courses falling under University minimums – **NA**

- d. Other instructional cost drivers, such as:
 - i. Section fill rates
 - ii. Course completion rates
 - iii. Curricular complexity
 - iv. Faculty course load

Faculty all meet their undergraduate/graduate teaching load.

- e. Research expenditures per tenured/tenure-track FTE (and other academic personnel, where appropriate)

Each faculty member is required to have a multi-state/HATCH project. Research dollars are allocated at a level of \$3,600 per faculty member annually. These federal funds are transferred to the department from the Agriculture Experiment Station (AES). Grant funds are all expended on research (except the EFNEP/Snap Ed service grant).

- f. Compare your data to national benchmarks (Delaware data)

- g. Other: