From:	noreply@wsu.edu
To:	curriculum.submit
Subject:	722784 Food Science Requirements Revise - Revise or Drop Graduate Plan
Date:	Wednesday, September 28, 2022 8:05:13 PM
Attachments:	2022.09.28.20.01.58.45.FormData.html 2022.09.28.20.01.55.85.currentCatalogFile_PhD_Revised_Curiculum_Submission_92022.pdf

Debra Marsh has submitted a request for a major curricular change. His/her email address is: marshdj@wsu.edu.

Requested change: Revise or Drop Graduate Plan

Other curriculum change being requested: Change graded course requirement from 34 to 24, and minor edits of courses required; simplify recommended competencies.

Degree: Ph.D. Food Science Ph.D. Food Science

Title: Ph.D. Food Science Ph.D. Food Science Ph.D. Food Science Ph.D. Food Science

Requested Effective Date: Fall 2023

Revise plan requirement: Yes

Revise Graduation Requirements: Yes

Dean: Deringer, Nancy - Assoc Dean - CAHNRS,

Chair: Ganjyal, Girish – Interim Chair – Food Science,

Catalog Subcommittee Approval Date	AAC, PHSC, or GSC Approval Date	Faculty Senate Approval Date

From: Ganjyal, Girish
To: curriculum.submit; Deringer, Nancy
Subject: RE: 722784 Food Science Requirements Revise - Revise or Drop Graduate Plan
Date: Wednesday, November 2, 2022 10:15:11 PM

Blaine,

I am sorry if I did not respond to this before. I thought I did.

I approve of this.

Regards, G

From: curriculum.submit <curriculum.submit@wsu.edu>
Sent: Friday, October 21, 2022 11:12 AM
To: Deringer, Nancy <nancy.deringer@wsu.edu>; Ganjyal, Girish <girish.ganjyal@wsu.edu>
Subject: RE: 722784 Food Science Requirements Revise - Revise or Drop Graduate Plan

Hello,

Following up on the attached proposal

Thank you!
Blaine

Blaine Golden, Assistant Registrar
Curriculum, Graduations, Athletic Eligibility

From: Deringer, Nancy <nancy.deringer@wsu.edu>
Sent: Friday, October 7, 2022 1:22 PM
To: curriculum.submit <curriculum.submit@wsu.edu>
Subject: Re: 722784 Food Science Requirements Revise - Revise or Drop Graduate Plan

Hi Blaine,

First I apologize for typing too fast and writing your name as “Blaina” instead of Blaine!

For this Food Science revision. I would like to wait for Dr. Ganjyal’s approval.

Thank you,
Nancy

From: curriculum.submit <curriculum.submit@wsu.edu>
Date: Thursday, October 6, 2022 at 11:26 AM

From: Deringer, Nancy
To: Ganjyal, Girish; curriculum.submit
Subject: Re: 722784 Food Science Requirements Revise - Revise or Drop Graduate Plan
Date: Thursday, November 3, 2022 9:04:20 AM

Hi Blaine,

I approve as well.

Thank you,
Nancy

From: Ganjyal, Girish <girish.ganjyal@wsu.edu>
Date: Wednesday, November 2, 2022 at 10:15 PM
To: curriculum.submit <curriculum.submit@wsu.edu>, Deringer, Nancy <nancy.deringer@wsu.edu>
Subject: RE: 722784 Food Science Requirements Revise - Revise or Drop Graduate Plan

Blaine,

I am sorry if I did not respond to this before. I thought I did.

I approve of this.

Regards, G

From: curriculum.submit <curriculum.submit@wsu.edu>
Sent: Friday, October 21, 2022 11:12 AM
To: Deringer, Nancy <nancy.deringer@wsu.edu>; Ganjyal, Girish <girish.ganjyal@wsu.edu>
Subject: RE: 722784 Food Science Requirements Revise - Revise or Drop Graduate Plan

Hello,

Following up on the attached proposal

Thank you!
Blaine

Blaine Golden, Assistant Registrar
Curriculum, Graduations, Athletic Eligibility

From: Deringer, Nancy <nancy.deringer@wsu.edu>

9/28/2022

PhD Food Science Curriculum Change Rationale:

Food Science, led by the Graduate Affairs Committee, has elected to reduce the graded credit require for the PhD Food Science from 34 credits to 24 as permitted by WSU Graduate School policy. This was not possible earlier, due to the nature of the WSU/UI Bi-state School of Food Science, which is now dissolved.

In addition, the area competencies described herein were not meant to be specific course requirements, but rather general guidelines for course selection and was confusing the way it was previously related in the handbook. It included a number of 400-level courses which were often construed as required courses, when prior coursework may be used to satisfy such requirements.

Other minor adjustments to the core requirements were adjusted proportionately to the reduced graded credit requirement and to provide an option for FS 517/518 (UI COOP) substitution as necessary – particularly for students who may be studying at the Wine Science Center (Tri-Cities) away from Pullman. And to require 30 (vs 45) minimum FS 800 credits for the degree, while the Graduate School minimum is 20.

Debra Marsh, Academic Coordinator
Meijun Zhu, Graduate Affairs Committee Chair

EXCERPTED FROM GRM DEGREE REQUIREMENTS

PhD in Food Science

- Food Chemistry/Analysis – 3 credits minimum:*
  - FS 460, FS 462
- Food Microbiology/Safety – must complete the following:*
  - FS 416
- Food Processing/Engineering – 3 credits minimum:*
  - FS 432, FS 529, FS 565, FS 570, BSYSE 581, BSYSE 582, BSYSE 583, BSYSE 584
- Food Science Courses – 17 credits minimum:
  - *Scientific Writing – must complete the following:*
    - FS 517
  - *Oral Seminar – must complete the following:*
    - FS 518
  - *Other Food Science Courses – 14 credits minimum:*
    - 500-level Food Science courses
- *Non-Food Science Courses – 6 credits minimum:*
  - *Statistics – 3 credits minimum:*
    - 400-level or 500-level statistics courses
  - *Other Non-Food Science Courses – 3 credits minimum:*
    - 500-level Food Science courses
- *Graded Credits: 34 credits minimum*
  - Maximum of 9 credits of 400-level coursework may be counted toward this total
- *Research Credits: 45 credits minimum*
  - FS 800
- *Total Credits: 78 credits minimum*

**Note: Prior equivalent coursework may be used to satisfy minimum course requirements. Students may elect to also take companion laboratory courses depending on academic background and interest.*

Applicable Graduate School Requirements:

- *Graded Credits: 34 credits*
  - Students may use a maximum of 9 credits of undergraduate coursework (300-400)
- *Research Credits: 20 credits*
  - FS 800
- *Total Credits: 72 minimum*

EXCERPTED FROM GRM DEGREE REQUIREMENTS

PhD in Food Science

Recommended Food Science Competency Areas

Students are expected to demonstrate a fundamental understanding of food science competency areas. In preparation for the prelim exam and final defense, students are recommended to take courses that cover food chemistry/analysis, food microbiology/safety, food processing/engineering, nutrition, toxicology, sensory, and other related areas.

- ~~Food Chemistry/Analysis – 3 credits minimum:*~~
  - ~~FS 460, FS 462~~
- ~~Food Microbiology/Safety – must complete the following:*~~
  - ~~FS 416~~
- ~~Food Processing/Engineering – 3 credits minimum:*~~
  - ~~FS 432, FS 529, FS 565, FS 570, BSYSE 581, BSYSE 582, BSYSE 583, BSYSE 584~~
- ~~Food Science Courses – 17 credits minimum:~~General Graduate Course Requirements
  - *Scientific Writing – must complete the following:*
    - FS 517 (or approved substitution)
  - *Oral Seminar – must complete the following:*
    - FS 518 (or approved substitution)
  - ~~*Other*~~ *Food Science Courses – ~~14~~ 9 credits minimum:*
    - 500-level Food Science courses
  - ~~*Non-Food Science Courses – 6 credits minimum:*~~
  - *Statistics – 3 credits minimum:*
    - 400-level or 500-level statistics courses
    - ~~*Other Non-Food Science Courses – 3 credits minimum:*~~
      - ~~500-level Food Science courses~~
- *Graded Credits: ~~34~~ 24 credits minimum*
  - Minimum of 15 500-level graded credits
  - Maximum of 9 credits of 400-level coursework may be counted toward this total
- *Research Credits: ~~45~~ 30 credits minimum*
  - FS 800
- *Total Credits: ~~78~~ 72 credits minimum*

~~**Note: Prior equivalent coursework may be used to satisfy minimum course requirements. Students may elect to also take companion laboratory courses depending on academic background and interest.*~~

Applicable Graduate School Requirements:

- *Graded Credits: ~~34~~ 24 credits*
    - Minimum of 15 500-level graded credits
    - Students may use a maximum of 9 credits of undergraduate coursework (300-400)
- *Research Credits: 20 credits*
    - FS 800
- *Total Credits: 72 minimum*

EXCERPTED FROM GRM DEGREE REQUIREMENTS

PhD in Food Science

Recommended Food Science Competency Areas

Students are expected to demonstrate a fundamental understanding of food science competency areas. In preparation for the prelim exam and final defense, students are recommended to take courses that cover food chemistry/analysis, food microbiology/safety, food processing/engineering, nutrition, toxicology, sensory, and other related areas.

General Graduate Course Requirements

- *Scientific Writing – must complete the following:*
  - FS 517 (or approved substitution)
- *Oral Seminar – must complete the following:*
  - FS 518 (or approved substitution)
- *Food Science Courses – 9 credits minimum:*
  - 500-level Food Science courses
- *Statistics – 3 credits minimum:*
  - 400-level or 500-level statistics courses
- *Graded Credits: 24 credits minimum*
  - Minimum of 15 500-level graded credits
  - Maximum of 9 credits of 400-level coursework may be counted toward this total
- *Research Credits: 30 credits minimum*
  - FS 800
- *Total Credits: 72 credits minimum*

Applicable Graduate School Requirements:

- *Graded Credits: 24 credits*
  - Minimum of 15 500-level graded credits
  - Students may use a maximum of 9 credits of undergraduate coursework (300-400)
- *Research Credits: 20 credits*
  - FS 800
- *Total Credits: 72 minimum*

Coursework requirements for Ph.D. degree in Food Science

Recommended Food Science Competency Areas*

Students are expected to demonstrate a fundamental understanding of food science competency areas. In preparation for the prelim exam and final defense, students are recommended to take courses that cover food chemistry/analysis, food microbiology/safety, food processing/ engineering, nutrition, toxicology, sensory, and other related areas.

General Graduate Course Requirements

Students must complete a minimum of 72 credit hours including a minimum 24 credits of graded (A-F) coursework, with at least 15 credits at the graduate credit (500-level) including FS 517/518 or approved substitution (3 credits) plus 9 credits minimum of FS graduate (500-level) coursework, and 3 credits minimum (400+ level) Statistics coursework, and 30 credit hours minimum of FS 800 Doctoral Research, Dissertation, and/or Examination. Up to 9 credits of graded, non-graduate coursework at the 300- or 400-level may be included.

Courses taken on a pass/fail basis may not be applied to fulfill program requirements. Any course graded S/F may not be used as graded coursework. Any course listed on the student's Program of Study in which a grade of "C-" or below is earned must be repeated for graded credit. Up to half of the graded credits on a program of study may be transfer credits, with approval of the Graduate School. See transfer policy for full details.

***Please be reminded about the competency areas in terms of your course selection.**

********** *List View of General Graduate Course Requirements* **********

1. 72 hours minimum total credits
2. 24 credit hours minimum of graded (A-F) coursework, including a minimum of 15 credit hours at the graduate (500-level). Up to 9 credits of graded, non-graduate coursework at the 300- or 400- level may be included.
3. Specific graded (A-F) coursework requirements include:
   - FS 517/518 (3 credits) or approved substitution plus 9 credits minimum of FS graduate (500-level) coursework
   - 3 credits minimum 400+ level Statistics coursework
4. 30 credit hours minimum FS 800 Doctoral Research, Dissertation, and/or Examination

   Full-time students must be enrolled in at least 1 research credit each semester (excluding summers)
5. Up to half of the graded credits on a program of study may be transfer credits, with approval of the Graduate School. See transfer policy for full details.
6. Notes on graded courses
   - The other 18 credits can be FS800 Doctoral Research credits or graded course credits in consultation with the advisor.
   - Courses for audit and courses graded Pass/Fail may not be used for the Program of Study.
   - Any course graded S/F may not be used as graded coursework.
   - Any course listed on the student's Program of Study in which a grade of "C-" or below is earned must be repeated for graded credit.

Default Report

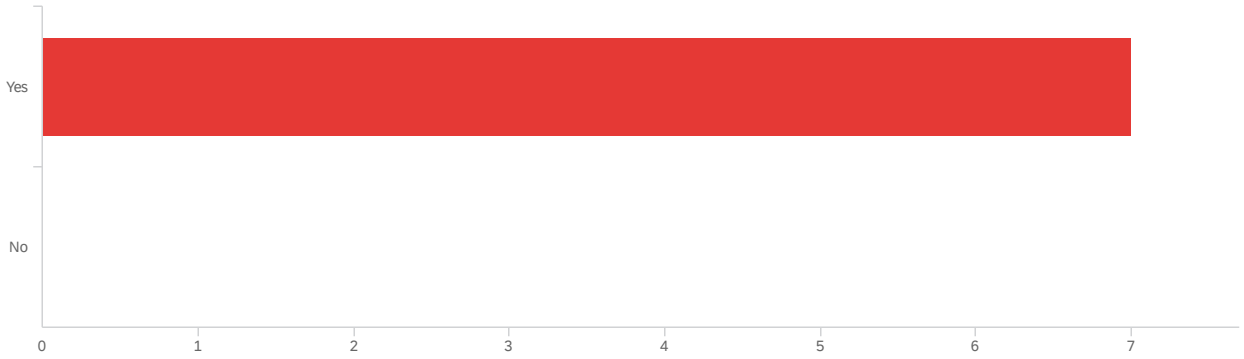
Coursework requirement

August 12, 2022 10:42 AM MDT

Q6 - Name

Name
Girish Ganjyal
Minto Michael
Thuy Bernhard
Carolyn Ross
Jim Harbertson
Stephanie Smith
Meijun Zhu

Q1 - 1. Do you approve the proposed Course Requirement for Ph.D. graduate students?

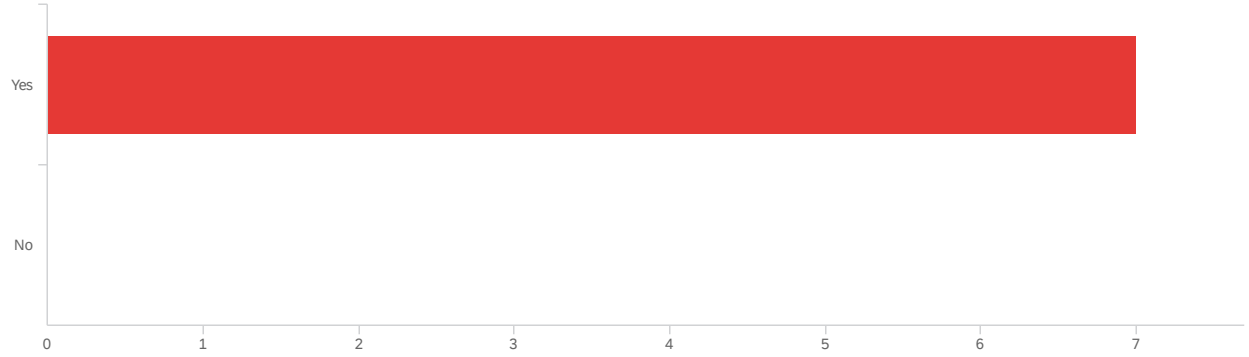


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	1. Do you approve the proposed Course Requirement for Ph.D. graduate students?	1.00	1.00	1.00	0.00	0.00	7

#	Field		Choice Count
1	Yes	100.00%	7
2	No	0.00%	0
			7

Showing rows 1 - 3 of 3

Q2 - 2. Do you approve the proposed Course Requirement for MS graduate students?

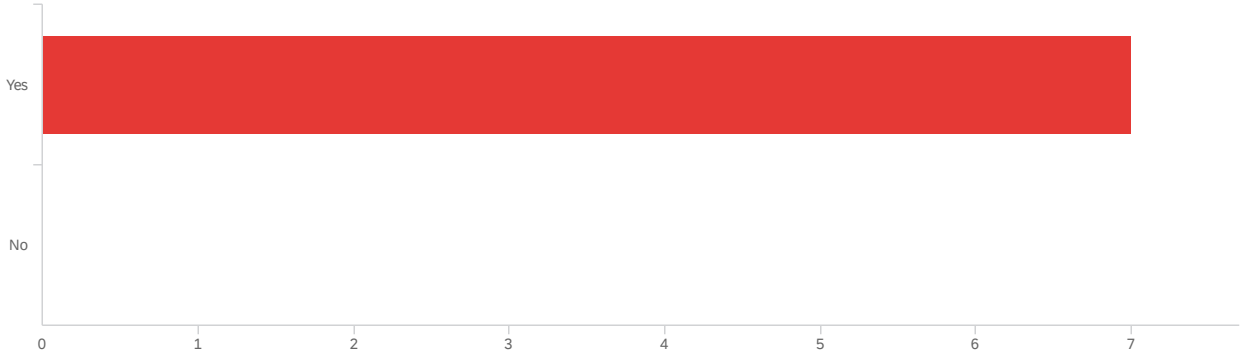


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	2. Do you approve the proposed Course Requirement for MS graduate students?	1.00	1.00	1.00	0.00	0.00	7

#	Field		Choice Count
1	Yes	100.00%	7
2	No	0.00%	0
			7

Showing rows 1 - 3 of 3

Q8 - 3. Do you agree to have M.S. Non-Thesis option?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	3. Do you agree to have M.S. Non-Thesis option?	1.00	1.00	1.00	0.00	0.00	7

#	Field		Choice Count
1	Yes	100.00%	7
2	No	0.00%	0
			7

Showing rows 1 - 3 of 3

End of Report