

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 609627 Nutrition and Exercise Physiology Requirements New : Add Graduate Certificate
Date: Wednesday, September 23, 2020 1:01:46 PM
Attachments: [2020.09.23.12.59.06.04.FormData.html](#)
[2020.09.23.12.59.05.57.currentCatalogFile_NEP_Graduate_Certificate_Rationale_Statement_.docx](#)

Martine Perrigue has submitted a request for a major curricular change. His/her email address is: martine.perrigue@wsu.edu.

Request (from selection dropdown): Add Graduate Certificate

Department: Nutrition and Exercise Physiology

New Graduate Certificate: Graduate Certificate in Human Nutrition

CIP Code: 30.1901

Requested Effective Date: Fall 2021

Campus: Spokane,

Dean: Tomkowiak, John - Dean - Medicine

Chair: Duncan, Glen – Chair – Nutrition and Exercise Physiology

Catalog Subcommittee
Approval Date

AAC, PHSC, or GSC
Approval Date

Faculty Senate
Approval Date

From: [Duncan, Glen E](#)
To: [curriculum.submit](#)
Cc: [Tomkowiak, John M](#)
Subject: RE: 609627 Nutrition and Exercise Physiology Requirements New : Add Graduate Certificate
Date: Wednesday, September 23, 2020 1:29:55 PM
Attachments: [image001.png](#)

1. I approve this proposal in its current form.

Glen E. Duncan, PhD, RCEP

Professor and Chair, Department of Nutrition and Exercise Physiology
Director, Washington State Twin Registry (www.wstwinregistry.org)
o: 509-358-7875 | glen.duncan@wsu.edu



From: curriculum.submit@wsu.edu <curriculum.submit@wsu.edu>
Sent: Wednesday, September 23, 2020 12:59 PM
To: Duncan, Glen E <glen.duncan@wsu.edu>
Cc: Tomkowiak, John M <john.tomkowiak@wsu.edu>
Subject: 609627 Nutrition and Exercise Physiology Requirements New : Add Graduate Certificate

Duncan, Glen – Chair – Nutrition and Exercise Physiology,

Tomkowiak, John - Dean - Medicine,

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Campus: Spokane,

From: [Tomkowiak, John M](#)
To: [curriculum.submit](#)
Subject: Fw: 609627 Nutrition and Exercise Physiology Requirements New : Add Graduate Certificate
Date: Monday, September 28, 2020 9:58:41 AM
Attachments: [Outlook-rhtfwzlb.png](#)

1. I approve this proposal in its current form.

John Tomkowiak MD, MOL
Founding Dean
Elson S. Floyd College of Medicine
Washington State University

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Campus: Spokane,

Washington State University
Elson S. Floyd College of Medicine
Department of Nutrition & Exercise Physiology (NEP)
Graduate Certificate in Human Nutrition

Contact Information:

Admissions:

Jill Wagner, Academic Coordinator
(509) 358-7811 | jill.wagner@wsu.edu

After enrollment:

NEP Graduate Svcs & Placement Coordinator

Rationale Statement

Society faces several major challenges related to human nutrition, including the pandemics of obesity and chronic disease, food insecurity, sustainability, and more. Finding solutions to these complex problems will require collaboration between multiple disciplines that so far have had limited interaction and academic training pathways that have been largely siloed. Human nutrition is a growth sector, with the US Bureau of Labor Statistics projecting an 8% annual increase in related jobs. Similarly, the USDA projects that between 2020 and 2025, there will be more than 59,000 job openings per year at the intersection of food, agriculture, and the environment.

Graduate students from across the WSU system are enrolled in programs of study that are complementary and closely related to human nutrition, for example, in food sciences, crop and soil sciences, and kinesiology. Currently, there is no established curriculum for students in these and other programs to incorporate robust academic training in human nutritional sciences and associated research methods and approaches. Further, there is no mechanism for acknowledging the set of nutrition-related skills earned by those graduate students who have elected to complete a series of human nutrition courses during their degree.

The Department of Nutrition and Exercise Physiology (NEP) are uniquely positioned to bridge this gap. As experts in human nutrition, nutrition research, and nutritional epidemiology, our faculty offer courses that will prove essential for those graduate students in other disciplines who wish to gain a solid foundation in human nutrition. Graduate-level NEP courses are offered once per year or every semester, and the Department currently has the capacity to accommodate several additional students in its classes. The NEP Department is located on the Spokane campus, where facilities are suitable for students from other WSU campuses to attend in-person or remotely.

The proposed Graduate Certificate in Human Nutrition is designed to provide a guided mechanism for WSU graduate students in any discipline the opportunity to 1) develop an understanding of nutrition research and current issues in nutrition 2) improve their own research and course of study using this knowledge 3) earn a certificate of acknowledgment for their additional concentration in nutritional sciences. The Certificate aligns with WSU's highest strategic priority, to become one of the nation's top 25 public research universities by 2030 ("Drive to 25,") by helping to boost student enrollment and add value to the degrees of alumni. Further, by encouraging connections between WSU departments, the Certificate will help to create new partnerships in research and other endeavors. Human nutrition skills and knowledge are increasingly in demand for diverse professional careers in academia, industry, and government. For example, food scientists within the food industry will need to interact with nutritionists and dietitians; Plant breeders are increasingly selecting for varieties based on nutrient characteristics and thus need to understand human nutrition concerns. The certificate would aid graduates and prospective employers by identifying and recognizing additional graduate-level coursework in human nutrition.

As this is a request for a new certificate, there is no existing catalog copy or list of current requirements. We are submitting a new list of proposed requirements for the certificate, all of which are existing NEP courses.

Admission requirements

Interested applicants must first 1) be current WSU graduate students in another discipline or 2) apply and be granted admission to the WSU Graduate School as a part-time certificate student before taking their first Certificate course.

To be considered, applicants must have a bachelor's degree from an accredited post-secondary institution, AND must have earned ≥ 3.0 in the following courses:

- Exercise Physiology (should be complete at the time of application)
- Nutrition (should be complete at the time of application)
- General Chemistry
- Organic Chemistry
- Biochemistry (2 quarters or 1 semester)
- Physiology

Certificate Fee

A fee will be assessed by the Graduate School upon Certificate completion.

Proposed Curricula

WSU graduate students wishing to complete the Graduate Certificate in Human Nutrition will be required to complete 9 total credits, including 6 credits from the "required" list, plus 3 credits from the "Electives" list. Currently, the prerequisite for each Certificate course is "Admission to NEP Graduate Program." Upon approval of this Graduate Certificate Program, we will change the statement so that it reads "Admission to NEP Graduate Program or Graduate Certificate Program." After enrolled NEP graduate students, Certificate students will be given priority for registration before outside students. If a student elects to take a course on a S/F basis, that course cannot be used toward completion of any degree program. Transfer credits will not be accepted to fulfill any Certificate courses. Certificate course listings found here: <https://catalog.wsu.edu/Spokane/Academics/Courses/NEP>

Core Courses – Required

Content Area	Course	Credits
Nutrition	NEP 520 (Research Methods in Nutrition & Exercise Physiology)	3
Nutrition	NEP 525 (Advanced Human Nutrition)	3
	Core total	6

Elective Courses – 3 credits required from the list below

Content Area	Course	Credits
Nutrition	NEP 526 (Nutritional Epidemiology)	3
Nutrition	NEP 560 (Geographic Information Systems in Health & Social Sciences)	3
Nutrition	NEP 580 (Advanced Topics in Exercise Physiology and Nutrition)	3
Nutrition	NEP 573 (Nutrition in the Community)	2
Nutrition	NEP 505 (Graduate Seminar) – may be repeated twice for 2 credits	1
Biochemistry	BIOMED 550 (Biochemistry for the Health Sciences)	3

For guidelines related to enrolled and part-time certificate students, please refer to the "GSC Reference Documents" available at: <https://wsuwp-uploads.s3.amazonaws.com/uploads/sites/1485/2014/08/GSCReferenceDocs.pdf>