

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 311337 Nutrition and Exercise Physiology Requirements Revise - Other
Date: Monday, November 28, 2016 2:32:31 PM
Attachments: [2016.11.28.14.32.27.84.FormData.html](#)
[2016.11.28.14.32.23.63.currentCatalogFile_PhDNEPReviseReq_Rationale_Oct2016.pdf](#)

Glen Duncan has submitted a request for a major curricular change. His/her email address is: glen.duncan@wsu.edu.

Requested change: Other

Other curriculum change being requested: Revise Graduate Plan - Revise Requirements and to restore the program (from currently suspended).

Degree: PhD

Title: Nutrition & Exercise Physiology Other

Requested Effective Date: Fall 2017

Revise plan requirement: Yes

Dean: Brown, Lisa - Chancellor - Spokane,

Chair: Duncan, Glen,

From: [Duncan, Glen E](#)
To: [curriculum.submit](#); [Brown, Lisa](#)
Subject: RE: 311337 Nutrition and Exercise Physiology Requirements Revise - Other
Date: Monday, November 28, 2016 2:33:53 PM

1. I approve this proposal in its current form.

Glen E. Duncan, PhD, RCEP
Professor, Elson S. Floyd College of Medicine
Chair, Nutrition & Exercise Physiology Program
Director, Washington State Twin Registry, Initiative for Research and Education to Advance
Community Health (IREACH)
Washington State University - Health Sciences Spokane
PO Box 1495
Spokane, WA 99210-1495
509.358-7875 (VM)
www.wstwinregistry.org

From: curriculum.submit@wsu.edu [mailto:curriculum.submit@wsu.edu]
Sent: Monday, November 28, 2016 2:32 PM
To: Duncan, Glen E <glen.duncan@wsu.edu>; Brown, Lisa <lisaj.brown@wsu.edu>
Subject: 311337 Nutrition and Exercise Physiology Requirements Revise - Other

Duncan, Glen,

Brown, Lisa - Chancellor - Spokane,

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Both Chair and Dean approval is required to complete the submission process. Please indicate that you have reviewed the proposal by highlighting one of the statements below and **reply all** to this email. (curriculum.submit@wsu.edu.) [Details of major change requested can be found in the attached supplemental documentation]

1. I approve this proposal in its current form.
2. I approve this proposal with revisions. Revisions are attached.
3. I do not approve this proposal. Please return to submitter.

If you do not respond within one week, you will be sent a reminder email. If no response is received within three weeks of the submission date, the proposal will be returned to the submitter.

Thank you for your assistance as we embark on this new process. If you have any questions or concerns, please let us know wsu.curriculum@wsu.edu.

Suzanne Lambeth, Assistant Registrar
Graduations, Curriculum, & Scheduling
Washington State University
Registrar's Office
PO Box 641035
Pullman WA 99164-1035
509-335-7905
slambeth@wsu.edu

Note: Please use the attachments to this email rather than the link below to view the supporting documentation.

From: [Brown, Lisa](#)
To: [Duncan, Glen E](#); [curriculum.submit](#)
Subject: RE: 311337 Nutrition and Exercise Physiology Requirements Revise - Other
Date: Monday, November 28, 2016 3:05:52 PM
Attachments: [image001.png](#)

I approve.

Lisa

Lisa J. Brown, Ph.D.

Chancellor

509-358-7550

lisaj.brown@wsu.edu

www.spokane.wsu.edu

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#)



From: Duncan, Glen E

Sent: Monday, November 28, 2016 2:34 PM

To: [curriculum.submit](#) <curriculum.submit@wsu.edu>; [Brown, Lisa](#) <lisaj.brown@wsu.edu>

Subject: RE: 311337 Nutrition and Exercise Physiology Requirements Revise - Other

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Suzanne Lambeth, Assistant Registrar

Graduations, Curriculum, & Scheduling

Washington State University

Registrar's Office

PO Box 641035

Pullman WA 99164-1035

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slambeth@wsu.edu

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Nutrition & Exercise Physiology Program
PhD NEP Revise Graduate Plan - Revise Requirements
Rationale Statement

The B.S. NEP is a unique undergraduate degree in the health sciences that blends content from the disciplines of exercise science and nutrition into a combined program. Content focuses broadly on the effects of exercise and nutrition on human health. Prerequisite coursework is intended to provide a broad knowledge base in human anatomy, physiology, nutrition, chemistry, biochemistry, and microbiology. To expand upon this unique blend of both nutrition and exercise physiology content with advanced graduate didactic, experiential, and research training, NEP also offers the MS Coordinated Program in Dietetics (CPD) (non-thesis) (formerly MS Human Nutrition).

The MS NEP (thesis) (formerly MS Exercise Science) and PhD NEP (formerly PhD Human Nutrition) were also available, however, they are currently suspended because the program was recently moved out of the College of Pharmacy (COP) into the administrative unit Area 57 on the Spokane Campus where it resides. As of this writing, NEP is undergoing the formal process of transitioning into the Elson S. Floyd College of Medicine.

The rationale for the proposed submission is to restore the PhD NEP for admissions beginning fall 2017 and to revise graduation requirements to better reflect the state-of-the-art in the fields of nutrition and exercise physiology, as well as to eliminate required Pharmacy courses that existed when the program was in the COP. Documentation showing the last record of graduation requirements for the PhD NEP is provided in this submission. All of the new requirements for the degree are also included.

A set of 'New/Restore Course' and 'Course Revisions' forms are being submitted under separate cover reflecting all of the new courses being proposed and those that will be reconfigured for the revised graduate curricula (PhD NEP with this submission and MS NEP in additional submissions). A summary of these course specific changes is provided at the end of this document.

				measurement and continuous quality improvement.	
PharS	574	New	--N/A--	Advanced Pharmacokinetics and Pharmacodynamics 4 Standard model development techniques to complex pharmacokinetic, pharmacokinetic-pharmacodynamic systems; advanced data analysis techniques to recover intrinsic kinetic and dynamic parameters.	8-11
PharS	575	New	-- N/A --	Receptor-Ligand Interactions 3 Interactions of drugs with biological macromolecules constituting the physicochemical basis of drug action.	8-11
PharS	576	New	-- N/A --	Biophysical Methods 3 Biophysical methods separating or detecting analytes based on their physical interactions with a support matrix or energy.	8-11

10. Recommendation from Graduate Studies for Name Change from PhD in Human Nutrition to the PhD in Nutrition and Exercise Physiology and extend to Spokane (**Exhibit H**).—J. Beller

MEMORANDUM

TO: Faculty Senate
FROM: Deb Sellon (for Graduate Studies Committee)
SUBJECT: GSC Actions
DATE: 3/25/2011

At the February, 2011 GSC meeting the committee recommended approval to change the name of the PhD specialization from

-Human Nutrition
 To
 -Nutrition & Exercise Physiology

Extend Degree to Spokane

cc: H. Grimes
 J. Beller

Motion Carried.

Current Graduate School Approved Curricula – PhD NEP

Previous PhD curriculum

Required foundation courses in the discipline:

Biological Nutrition (1 course)

Behavioral Nutrition (1 course)

Research Methods (1 course)

Other required courses:

Biochemistry (2 courses for basic science, 1 course for behavioral science)

Statistics (1 course for basic science, 2 courses for behavioral science)

Seminar (1 written and 2 oral courses for basic science, 1 written and 2 oral courses for behavioral science)

Reactivated PhD curriculum

Required foundation courses in the discipline:

6 credits selected from the following:

Foundations in Cellular Regulation (NEP 510) (3 cr)

Community Health & Nutrition (NEP 526) (3 cr)

Adv. Topics in Exercise Physiology (NEP 580) (3 cr)

Research Methods (NEP 520) (4 cr)

Other required courses:

Statistics (Stat 412, Stat 512, Nurs 528, or HPA 519) (3 cr)

Graduate Seminar (NEP 505) (2 semesters, 6 cr)

Electives (examples):

MBioS 513 General Biochemistry (3 cr)

Nurs 521 Teaching, Learning, and Evaluation (3 cr)

Nurs 589 Psychometrics (2 cr)

VPh 555 General and Cellular Physiology (4 cr)

NEP 585 Clinical Exercise Physiology (3 cr)

NEP 510, 526, or 585 (3 cr); any course not taken as "required foundation course" above

Total required graded credits: 19

Proposed Curricula for PhD NEP

This degree consists of 19 credits of required core and a minimum of 51 credits of additional specific coursework for a total minimum of 72 credits, of which a minimum of 46 credits are graded and a minimum of 24 are dissertation (research).

PhD Core Courses - Required

Content Area	Course	Credits
Basic Science	PHARMSCI 520 (Foundations of Molecular Regulation)	3
Statistics	NURS 526 (Analytical Foundations for Health Sciences)	3
Statistics	NURS 527 (Association, Group Difference and Regression Techniques for Health Sciences)	3
Methods	NEP 520 (Research Methods)	3
Breadth	NEP 505 (Graduate Seminar) (1 c.h. each fall and spring semesters)†	2
Teaching	INTERDIS 590 (College Teaching)	2
Bioethics	PHARMSCI 577 (Responsible Conduct in Biomedical Research)	3
Core Total		19

PhD Additional Courses – Required

Content Area	Course	Credits
Nutrition	NEP 525 (Advanced Human Nutrition)‡	3
Exercise Physiology	NEP 582 (Advanced Exercise Physiology)‡¶	3
Epidemiology	NEP 526 (Nutritional Epidemiology)¥	3
Epidemiology	NEP 586 (Exercise Epidemiology)‡	3
Breadth	Electives (minimum 15)	15-18
Research	NEP 800 (Dissertation) (minimum)	24-36
Additional Course total		51+

Approved Electives

FS = 516, 531

HPA = 500; 501

NEP = 580 (Special Topics, can be repeated twice for a total of 6 credits); 600

NURS = 521; 531; 554; 578; 587; 589; 590; 592; 528 (PhD only); 529 (PhD only)

PHARMSCI = 530; 555; 560

PHIL = 535

NOTE: Other courses may be approved by student's advisor.

Notes

† = NEP 505 will be re-configured as a 1 credit course graded P/F, repeated twice.

‡ = Indicates new NEP course to be developed.

¥ = NEP 526 (Advanced Community Nutrition and Health) will be renamed Nutritional Epidemiology and will be re-configured to include more epidemiological concepts.

¶ = A new NEP course titled "Advanced Exercise Physiology" will be developed at the graduate level. NEP 463 will be re-named from "Advanced Exercise Physiology" to simply "Exercise Physiology" to distinguish it from this new graduate level course and so as not to interfere with KINES 380 "Introduction to Exercise Physiology".