Brian French has submitted a request for a major curricular change. His/her email address is: frenchb@wsu.edu.

**Requested change:** Revise or Drop Graduate Certificate

**Other curriculum change being requested:** Adding and Dropping courses to the Applied Measurement and Quantitative Methods Certificate

**Title:** Applied Measurement and Quantitative Methods Certificate

**Requested Effective Date:** Fall 2023

**Revise certificate requirement:** Yes

**Dean:** Erdman, Phyllis - Assoc Dean - Education,

**Chair:** Erdman, Phyllis – Chair – Kinesiology and Educational Psychology,

| Catalog Subcommittee Approval Date | AAC, PHSC, or GSC Approval Date | Faculty Senate Approval Date |
Dear Curriculum Committee,

Please accept this email as confirmation that Kira Carbonneau, Interim Chair of Kinesiology and Educational Psychology and Phyllis Erdman, Associate Dean of the College of Education approve the following curricular change request. Please see the emails below to support this approval and let me know if there is additional information that I can provide in support of this curricular change.

Your curricular change request to revise requirements has been forwarded to:

Erdman, Phyllis – Chair – Kinesiology and Educational Psychology
Erdman, Phyllis - Assoc Dean - Education

An email approval of the request from both parties is required. Once notification of approval is received from the Department, the request will be forwarded to the Catalog Subcommittee for initial review.

Status of curricular change requests are posted weekly on the curriculum and faculty senate website under tracking notes. Requests will not appear on the tracking notes until departmental approval has been received.

If you have any questions, please email wsu.curriculum@wsu.edu.

Requested change: Revise or Drop Graduate Certificate

Other curriculum change being requested: Adding and Dropping courses to the Applied Measurement and Quantitative Methods Certificate

Title: Applied Measurement and Quantitative Methods Certificate

Requested Effective Date: Fall 2023

Revise certificate requirement: Yes

Kira J. Carbonneau Ph.D.
(she/her)
Associate Professor
Interim Chair, Kinesiology & Educational Psychology
351A Cleveland Hall
509-335-8692
Washington State University
Pullman, WA 99164-2136

WSU Pullman is located on the ancestral homelands of the Palus people and the ceded lands of the Nimíipuu (Nez Perce) Tribe. I acknowledge their presence here since time immemorial and recognize their continuing connection to the land, to the water, and to their ancestors.
From: Erdman, Phyllis <perdman@wsu.edu>  
Sent: Tuesday, September 20, 2022 10:43 AM  
To: French, Brian F <frenchb@wsu.edu>  
Cc: Carbonneau, Kira Joy <kira.carbonneau@wsu.edu>  
Subject: Re: 722214 Kinesiology and Educational Psychology Requirements Revise - Revise or Drop Graduate Certificate  
I can't open to sign but can you use this as approval from me  
Phyllis

Get Outlook for Android

From: French, Brian F <frenchb@wsu.edu>  
Sent: Tuesday, September 20, 2022 10:20:30 AM  
To: Erdman, Phyllis <perdman@wsu.edu>  
Cc: Carbonneau, Kira Joy <kira.carbonneau@wsu.edu>  
Subject: RE: 722214 Kinesiology and Educational Psychology Requirements Revise - Revise or Drop Graduate Certificate  
Kira,  
I see Phyllis is out of town till the 30th. Please note that I think this has to be approved by Oct. 1st to have a chance for being approved for Fall 2023. That is what I saw on the website. Otherwise it would be Fall 2024! I hope it can move through the process sooner than that.  
Thanks,  
Brian

Brian F. French  
Berry Family Professor  
Director, LPRC & Psychometric Laboratory  
College of Education | Washington State University  
509-335-8584
Applied Measurement and Quantitative Methods Certificate Revisions Request

There is a need to revise the requirements of the Applied Measurement and Quantitative Methods Certificate. This includes adding two courses that did not exist or reflects a new coloration that did not exist when the certificate was created, and dropping one course that no longer is offered. The changes reflect growing collaborations between programs and providing advanced quantitative training to students across campuses and programs. Only positive impacts on the students and programs are anticipated.

The changes are listed below. In addition, Table 1 contains the current requirements with the course to be dropped crossed through with a red line. Table 2 contains the revised course offerings with the proposed additions underlined in Prevention Science and Sociology.

**Proposed Changes:**

**Add:** PREV_SCI 508: Longitudinal Structural Equation Modeling

This course is being requested to add to the certificate. It would have been included originally but it did not exist when the certificate was developed or approved. It reflects a growing collaboration with Prevention Science.

**Add:** SOC 527: Network analysis

This course is being requested to add to the certificate. It would have been included originally but the collaboration with Sociology did not exist at the time. There is a growing demand for the method.

**Drop:** PSYCH 515: Mediation and Moderation

We propose to drop this course as it is no longer offered and will not be.

Table 1

<table>
<thead>
<tr>
<th>Courses in Approved Certificate</th>
<th>Psychology</th>
<th>Educational Psychology</th>
<th>Prevention Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psych 514: Psychometrics</td>
<td>EdPsych 511: Classical and Modern Test Theory</td>
<td>PREV_SCI 512: Finite and Growth Mixture Modeling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ed Psych 577: Item Response Theory</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2

*Proposed Changes to The Certificate*

<table>
<thead>
<tr>
<th>Educational Psychology</th>
<th>Psychology</th>
<th>Prevention Science</th>
<th>Sociology</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED_PSYCH 511: Classical and Modern Test Theory</td>
<td>PSYCH 514: Psychometrics</td>
<td>PREV_SCI 508: Longitudinal Structural Equation Modeling</td>
<td>SOC 527: Social Network Analysis</td>
</tr>
<tr>
<td>ED_PSYCH 575: Multilevel Modeling</td>
<td></td>
<td>PREV_SCI 510: Multilevel Modeling II: Advanced Multilevel Models for Longitudinal Data</td>
<td></td>
</tr>
</tbody>
</table>