



**SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS**

**Substantive Program Modification Program**

<b>UNIVERSITY:</b>	<b>SDSU</b>
<b>CURRENT PROGRAM TITLE:</b>	<b>Nutrition &amp; Exercise Sciences (M.S.) - Exercise Sciences Specialization</b>
<b>CIP CODE:</b>	<b>19.0504</b>
<b>UNIVERSITY DEPARTMENT:</b>	<b>Health &amp; Nutritional Sciences</b>
<b>UNIVERSITY DIVISION:</b>	<b>Graduate School</b>

**University Approval**

*To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.*

\_\_\_\_\_  
 Dennis D. Hedge  
 Vice President of Academic Affairs or  
 President of the University

\_\_\_\_\_  
 12/11/2018  
 Date

**1. This modification addresses a change in:**

- Total credits required within the discipline
- Total credits of elective course work
- Program name
- CIP Code
- Total credits of supportive course work
- Total credits required for program
- Existing specialization
- Other

**2. Effective date of change:** 2019-2020 Academic Year

**3. Program Degree Level:** Associate  Bachelor's  Master's  Doctoral

**4. Category:** Certificate  Specialization  Minor  Major

**5. If a name change is proposed, the change will occur:**

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name:

**6. Primary Aspects of the Modification:**

*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs
<b>Core Requirements</b>			<b>7</b>	<b>Core Requirements</b>			<b>7</b>
		Advanced Research Methods ( <i>Graduate students must consult with their advisors prior to registration.</i> ) HNS 783 Research Methods in HNS (3) OR NUTR 782 Epidemiology (3)	3			Advanced Research Methods ( <i>Graduate students must consult with their advisors prior to registration.</i> ) HNS 783 Research Methods in HNS (3) OR NUTR 782 Epidemiology (3)	3
		Advanced Statistics Course ( <i>Graduate students must consult with their advisors prior to registration.</i> ) HSC 631 Biostatistics I (3) OR HSC 731 Biostatistics II (3) OR STAT 541 Statistics Methods II (3)	3			Advanced Statistics Course ( <i>Graduate students must consult with their advisors prior to registration.</i> ) HSC 631 Biostatistics I (3) OR HSC 731 Biostatistics II (3) OR STAT 541 Statistics Methods II (3)	3

Existing Curriculum

Proposed Curriculum (*highlight changes*)

Pre	Num	Title	Cr Hrs	Pre	Num	Title	Cr Hrs
HNS	790	Seminar	1	HNS	790	Seminar	1
<b>Nutritional Sciences Specialization</b>				<b>Nutritional Sciences Specialization</b>			
Select 12 or 13 credits from the list below:			12 or 13	Select 12 or 13 credits from the list below:			12 or 13
NUTR	522	Advanced Human Nutrition	4	NUTR	522	Advanced Human Nutrition	4
NUTR	524	Community Nutrition/Lab	3	NUTR	524	Community Nutrition/Lab	3
NUTR	560	Nutrigenomics and Molecular Nutrition Credits	3	NUTR	560	Nutrigenomics and Molecular Nutrition Credits	3
NUTR	660	Maternal & Child Nutrition	3	NUTR	660	Maternal & Child Nutrition	3
NUTR	702	Macronutrients in Human Nutrition	3	NUTR	702	Macronutrients in Human Nutrition	3
NUTR	704	Phytochemicals	3	NUTR	704	Phytochemicals	3
NUTR	706	Nutrition Immunology	3	NUTR	706	Nutrition Immunology	3
NUTR	708	Evidence Based Analysis	3	NUTR	708	Evidence Based Analysis	3
NUTR	715	Public Health Nutrition	3	NUTR	715	Public Health Nutrition	3
NUTR	725	Nutrition & Human Perf.	3	NUTR	725	Nutrition & Human Perf.	3
NUTR	750	Transdisciplinary Childhood Obesity Prevention I	3	NUTR	750	Transdisciplinary Childhood Obesity Prevention I	3
NUTR	751	Transdisciplinary Childhood Obesity Prevention II	3	NUTR	751	Transdisciplinary Childhood Obesity Prevention II	3
NUTR	760	Vitamins and Minerals	3	NUTR	760	Vitamins and Minerals	3
NUTR	761	Nutrition and Aging	3	NUTR	761	Nutrition and Aging	3
NUTR	775	Nutrigenomics and Health	3	NUTR	775	Nutrigenomics and Health	3
<i>Select one of the following options:</i>				<i>Select one of the following options:</i>			
<i>Option A – Thesis:</i>				<i>Option A – Thesis:</i>			
HNS	798	Thesis	5	HNS	798	Thesis	5
		Electives	5-6			Electives	5-6
<i>Option B – Research/Design Paper:</i>				<i>Option B – Research/Design Paper:</i>			
HNS	788	Individual Research and Study	3	HNS	788	Individual Research and Study	3
		Electives	12-13			Electives	12-13
<b>Exercise Science Specialization</b>				<b>Exercise Science Specialization</b>			
Select 11 or 12 credits from the list below:			11 or 12	Select <b>12</b> credits from the list below:			<b>12</b>
EXS	550	Clinical Exercise Physiology	3	EXS	550	Clinical Exercise Physiology	3
EXS	745	Applied Biomechanics	3	EXS	745	Applied Biomechanics	3
EXS	750	Advanced Exercise Physiology	3	EXS	750	Advanced Exercise Physiology	3
				<b>EXS</b>	<b>751</b>	<b>Laboratory Techniques in Exercise Physiology</b>	<b>3</b>
EXS	755	Applied Ex. Phys.	3	EXS	755	Applied Ex. Phys.	3
NUTR	725	Nutrition and Human Performance	3	NUTR	725	Nutrition and Human Performance	3
PE	751/L	Lab Techniques in Ex. Phys.	2	<b>PE</b>	<b>751/L</b>	<b>Lab Techniques in Ex. Phys.</b>	<b>2</b>
PE	742	Psychological Aspects of Sport & Exercise	3	PE	742	Psychological Aspects of Sport & Exercise	3
<i>Select one of the following options:</i>				<i>Select one of the following options:</i>			
<i>Option A – Thesis:</i>				<i>Option A – Thesis:</i>			
HNS	798	Thesis	5	HNS	798	Thesis	5
		Electives	6-7			<b>Electives</b>	<b>6</b>
<i>Option B – Research/Design Paper:</i>				<i>Option B – Research/Design Paper:</i>			
HNS	788	Individual Research and Study	3	HNS	788	Individual Research and Study	3
		Electives	13-14			<b>Electives</b>	<b>13</b>
<b>Total number of hours required for specializations</b>				<b>Total number of hours required for specializations</b>			
		<b>Option A</b>	<b>30</b>			<b>Option A</b>	<b>30</b>
		<b>Option B</b>	<b>35</b>			<b>Option B</b>	<b>35</b>
<b>Total number of hours required for degree</b>				<b>Total number of hours required for degree</b>			
		<b>Option A</b>	<b>30</b>			<b>Option A</b>	<b>30</b>
		<b>Option B</b>	<b>35</b>			<b>Option B</b>	<b>35</b>

## **7. Explanation of the Change:**

The Department of Health & Nutritional Sciences has requested to offer existing course KSM (EXS) 751. PE 751 Lab Techniques in Exercise Physiology (2 cr.) and PE 751L Techniques in Exercise Physiology Lab (0 cr.) will be replaced by KSM (EXS) 751 Laboratory Techniques in Exercise Physiology (3 cr.). KSM 751 Laboratory Techniques in Exercise Physiology is offered by USD. SDSU will only offer this course with the EXS prefix.