

**SOUTH DAKOTA BOARD OF REGENTS  
EXISTING PROGRAM: SUBSTANTIVE PROGRAM MODIFICATION**

1. Institution: **Dakota State University**
2. Program Title: **Bachelor of Science in Exercise Science**
3. This proposal deals with a change in:

<i>Distribution of Credits</i>		
<u>  X  </u>	total credits required within the discipline	<u>          </u> Program name
<u>  X  </u>	total credits of supportive course work	<u>          </u> Existing specialization
<u>          </u>	total credits of elective course work	<u>          </u> Addition of specialization
<u>          </u>	total credits required for program	<u>          </u> Other (explain)

4. Effective date of Change: **Fall, 2005**

**5. LEVEL:**

- Certificate
- Associate Degree
- X   Bachelor's Degree
- Master's Degree
- Doctoral Degree

**6. CATEGORY:**

- Minor
- X   Major
- Specialization

**7. PRIMARY ASPECTS OF THE MODIFICATION:**

Existing Curriculum			Proposed Curriculum		
<i>System-wide General Education</i>		<i>30</i>	<i>System General Education</i>		<i>30</i>
<i>Institutional Graduation Requirements</i>		<i>-5</i>	<i>Institutional Graduation Requirements</i>		<i>11</i>
<del><i>Information Technology Literacy</i></del>		<del><i>9</i></del>			
* <i>Majors must take BIOL 151, CHEM 112, PSYC 101, MATH 102 and SPCM 101 as part of the system-wide general education requirements.</i>			* <i>Majors must take BIOL 151, PSYC 101, CHEM 112 or PHYS 111, MATH 102 as part of the system-wide general education requirements.</i>		
<del>** <i>Majors must take CIS 130 as part of the information technology literacy requirement.</i></del>					
<i>Major Required Courses</i>		<del><i>51-55</i></del>	<i>Major Required Courses *</i>		<i>57-62</i>
			* <b>Students who complete the minimum credits listed in this section of course requirements will need to complete the maximum credits listed in the section below.</b>		
BIOL 323	Human Anatomy & Physiology	4	BIOL 323	Human Anatomy & Physiology	4
			<b>BIOL 325</b>	<b>Physiology with Lab</b>	<b>4</b>
EXS 180	Foundations of HPER	2	EXS 180	Foundations of HPER	2
EXS 252	Fundamentals of Motor Learning & Development	2			
			<b>EXS 300</b>	<b>Introduction to Research (writing)<sup>1</sup></b>	<b>3</b>

EXS 335	Program Design and Admin	3	EXS 335	Program Design and Admin	3
EXS 350	Exercise Physiology	3	EXS 350	Exercise Physiology <sup>1</sup>	3
EXS 353	Kinesiology	2	EXS 353	Kinesiology <sup>1</sup>	3
<del>EXS 356</del>	<del>Injury Rehabilitation</del>	<del>2</del>			
EXS 376	Technology Integration	3	EXS 376	Technology Integration	3
EXS 395	Practicum	2	EXS 395	Practicum	2
EXS 400	Exercise Testing & Prescription	3	EXS 400	Exercise Testing & Prescription <sup>1</sup>	3
EXS 401	Fitness for Special Populations	3			
			<b>EXS 420</b>	<b>Facility Risk Management</b>	<b>3</b>
EXS 453	Health Aspects of Aging	3			
			<b>EXS/PE 454</b>	<b>Biomechanics<sup>1</sup></b>	<b>3</b>
EXS 492	Topics	3	EXS 492	Topics	3-6
EXS 494	Internship	2-6	EXS 494	Internship	4-6
HLTH 251	First Aid and CPR	1	HLTH 251	First Aid and CPR	1
HLTH 370	Stress Management	3	HLTH 370	Stress Management	3
HLTH 422	Nutrition	3	HLTH 422	Nutrition	3
PE 354	Prevention & Care of Athletic Injuries	2	PE 354	Prevention & Care of Athletic Injuries	2
PE 451	Tests and Measurements	2	PE 451	Tests and Measurements <sup>1</sup>	2
			<b>PE/EXS 452</b>	<b>Motor Learning and Development</b>	<b>3</b>
	Three credits from the following: CSC 206—Adv Computer Application ENGL 305—Prof/Tech Grant Writing ENGL 401—Advanced Writing MCOM 161—Fund of Desktop Publish SPCM 215—Public Speaking	3			
			<sup>1</sup> No grade less than a “C”		
<i>Students must complete at least 23-27 credits of coursework from the following:</i>			<i>Students must complete at least 16-21 credits of coursework from the following:</i>		
ACCT 210	Principles of Accounting I	3	ACCT 210	Principles of Accounting I	3
ACCT 211	Principles of Accounting II	3	ACCT 211	Principles of Accounting II	3
BADM 310	Business Finance	3	BADM 310	Business Finance	3
BADM 334	Small Business Management	3	BADM 334	Small Business Management	3
BADM 350	Legal Environment of Business	3	BADM 350	Legal Environment of Business	3
BADM 360	Organization & Management	3	BADM 360	Organization & Management	3
BADM 370	Marketing	3	BADM 370	Marketing	3
BADM 460	Human Resource Management	3	BADM 460	Human Resource Management	3
BADM 475	Consumer Behavior	3	BADM 475	Consumer Behavior	3
BADM 481	Promotional Management	3	BADM 481	Promotional Management	3
BIOL 165	General Zoology	3	BIOL 165	General Zoology	4
BIOL 331	Microbiology	4	BIOL 331	Microbiology	4
BIOL 343	Cell and Molecular Biology	4	BIOL 343	Cell and Molecular Biology	4
BIOL 371	Genetics	4	BIOL 371	Genetics	4
CHEM 114	General Chemistry II	4	CHEM 114	General Chemistry II	4
CHEM 326	Organic Chemistry I	4	CHEM 326	Organic Chemistry I	4
CHEM 460	Biochemistry	3	CHEM 460	Biochemistry	3
ECON 201	Principles of Microeconomics	3	ECON 201	Principles of Microeconomics	3
ECON 202	Principles of Macroeconomics	3	ECON 202	Principles of Macroeconomics	3

			<b>ENGL 305</b>	<b>Prof/Tech Grant Writing</b>	<b>3</b>
			<b>ENGL 401</b>	<b>Advanced Writing</b>	<b>3</b>
			<b>EXS 405</b>	<b>Methods of Training</b>	<b>3</b>
HIM 130	Basic Medical Terminology	2	HIM 130	Basic Medical Terminology	2
HIM 260	Fundamentals of Human Disease	5	HIM 260	Fundamentals of Human Disease	5
HLTH 201	ATOD Prevention Education	2	HLTH 201	ATOD Prevention Education	2
HLTH 320	Community Health	3	HLTH 320	Community Health	3
MATH 123	Calculus I	4	MATH 123	Calculus I	4
MATH 281	Introduction to Statistics	3	MATH 281	Introduction to Statistics	3
<del>NFP 315</del>	<del>Fundraising</del>	<del>3</del>			
<del>PE 170</del>	<del>Fundamental Movement</del>	<del>1</del>			
PE	Maximum of <del>3</del> credits: PE 200 – Prof Prep: Fitness <del>PE 202 – Prof Prep: Indiv/Dual-Activities</del> <del>PE 203 – Prof Prep: Team Activities</del> PE 204 – Prof Prep: Rhythm & Dance <del>PE 205 – Prof Prep: Rec Activities</del> PE 207 – Prof Prep: Strength Training PE 321 – Water Safety Instruction	<del>0-3</del>	PE	Maximum of <b>4</b> credits: PE 200 – Prof Prep: Fitness PE 204 – Prof Prep: Rhythm & Dance PE 207 – Prof Prep: Strength Training PE 321 – Water Safety Instruction <b>PE 363 – Skills Concept</b>	<b>0-4</b>
PE 322	Lifeguard Instructor	1	PE 322	Lifeguard Instructor	1
<del>PHYS 111</del>	<del>Intro to Physics I</del>	<del>4</del>			
			<b>PE 453</b>	<b>Sports Psychology</b>	<b>3</b>
PHYS 113	Intro to Physics II	5	PHYS 113	Intro to Physics II	4
	Electives	<del>6</del>		Electives (Two of these credits are met with taking BIOL 151 and CHEM 112 or PHYS 111 as part of the System General Education Requirement.)	<b>9</b>
<b>Total number of hours required for major, minor, or specialization</b>		<b>78</b>	<b>Total number of hours required for major, minor, or specialization</b>		<b>78</b>
<b>Total number of hours required for degree</b>		<b>128</b>	<b>Total number of hours required for degree</b>		<b>128</b>

## 8. EXPLANATION OF THE CHANGE:

This modification adds the major writing intensive course (EXS 300) to the required course list. The institutional program reviewer recommended the inclusion of BIOL 325 and the GPA requirement. Students are asking for more exercise science courses; therefore three upper level EXS courses are being added. The list of courses on the support list has been modified, but still allows for flexibility and choice for graduates. For example, graduates may choose to work toward certification in specific fitness areas or pursue graduate degrees in various specialized health or exercise science programs. Other graduates may choose to work in fitness centers as instructors or managers.