



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

**Substantive Program Modification Form**

<b>UNIVERSITY:</b>	<b>SDSU</b>
<b>CURRENT PROGRAM DEGREE:</b>	<b>Bachelor of Science (B.S.)</b>
<b>CURRENT PROGRAM MAJOR/MINOR:</b>	<b>Conservation Planning and Park Management</b>
<b>CURRENT SPECIALIZATION:</b>	<b>N/A</b>
<b>CIP CODE:</b>	<b>03.0101 – CPPM Major</b>
<b>UNIVERSITY DEPARTMENT:</b>	<b>Natural Resource Management</b>
<b>BANNER DEPARTMENT CODE:</b>	<b>SNAR</b>
<b>UNIVERSITY COLLEGE:</b>	<b>Agriculture, Food &amp; Environmental Science</b>
<b>BANNER COLLEGE CODE:</b>	<b>3F</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

4/3/2023

Date

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

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Total credits required within the discipline | <input checked="" type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work        | <input type="checkbox"/> Total credits required for program                 |
| <input type="checkbox"/> Program name  | <input type="checkbox"/> Existing specialization                            |
| <input type="checkbox"/> CIP Code  | <input type="checkbox"/> Other (explain below)                              |
| <input type="checkbox"/> Modification requiring Board of Regents approval        |   |

*Must have prior approval from Executive Director or designee*

**2. Effective date of change: 2023-2024 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:**

*Reminder: Name changes may require updating related articulation agreements, site approvals, etc.*



**6. Is the program being modified associated with a current articulation agreement?**

Yes ☐ No ☒

**a. If yes, will the articulation agreement need to be updated with the partner institution following the approve of the program change? Please explain:**

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

*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pref.	Num	Title	Cr.Hrs	Pref.	Num	Title	Cr. Hrs
<b>System General Education Requirements</b>			<b>32</b>	<b>System General Education Requirements</b>			<b>32</b>
<b>System General Education Requirements - Electives</b>			<b>6</b>	<b>System General Education Requirements – Electives</b>			<b>21</b>
						Student Choice (SGR #1)	3
						Student Choice (SGR #1)	3
						Student Choice (SGR #2)	3
						Student Choice (SGR #3)	3
						Student Choice (SGR #3)	3
		Student Choice (SGR #4)	3			Student Choice (SGR #4)	3
		Student Choice (SGR #4)	3			Student Choice (SGR #4)	3
<b>System General Education Requirements - Required</b>			<b>26</b>	<b>System General Education Requirements – Required</b>			<b>11</b>
ENGL	101	Composition I (SGR #1)	3	ENGL	101	Composition I (SGR #1)	3
ENGL	201	Composition II (SGR #1)	3	ENGL	201	Composition II (SGR #1)	3
CMST	101	Fundamentals of Speech (SGR #2)	3	CMST	101	Fundamentals of Speech (SGR #2)	3
ECON	201	Principles of Microeconomics (SGR #3)	3	ECON	201	Principles of Microeconomics (SGR #3)	3
POLS OR POLS	100	American Government (3) (SGR #3)	3	POLS OR POLS	100	American Government (3) (SGR #3)	3
	210	State and Local Government (3) (SGR #3)			210	State and Local Government (3) (SGR #3)	
MATH	114	College Algebra (SGR #5)	3	MATH	114	College Algebra (SGR #5)	3
BIOL	151-151L	General Biology I & Lab (SGR #6)	4	BIOL	151-151L	General Biology I & Lab (SGR #6)	4
CHEM	106-106L	Chemistry Survey & Lab (SGR #6)	4	CHEM	106-106L	Chemistry Survey & Lab (SGR #6)	4
<b>College Requirements</b>			<b>0</b>	<b>College Requirements</b>			<b>0</b>
Students seeking the Bachelor of Science degree must complete the System General Education Requirements. In some majors, the student must select a “specialization.” Additional requirements for Bachelor of Science degrees follow.				Students seeking the Bachelor of Science degree must complete the System General Education Requirements. In some majors, the student must select a “specialization.” Additional requirements for Bachelor of Science degrees follow.			
<ul style="list-style-type: none"> <li>The requirements of one of the College’s majors must be met. Specific requirements are listed under each program of study.</li> <li>25 semester credits must be upper division (300 and above), with the exception that MATH 125 and 225, Calculus II and III, may be counted as five credits toward the total.</li> </ul>				<ul style="list-style-type: none"> <li>The requirements of one of the College’s majors must be met. Specific requirements are listed under each program of study.</li> <li>25 semester credits must be upper division (300 and above), with the exception that MATH 125 and 225, Calculus II and III, may be counted as five credits toward the total.</li> </ul>			
<b>Bachelor of Science in Agriculture, Food and Environmental Sciences</b>				<b>Bachelor of Science in Agriculture, Food and Environmental Sciences</b>			
Students must complete a minimum of 11 credits from the approved list of Group 1 courses in Agriculture, Food and Environmental Science. Some departments require specific courses from the list, whereas others leave the selection entirely to the student and the advisor.				Students must complete a minimum of 11 credits from the approved list of Group 1 courses in Agriculture, Food and Environmental Science. Some departments require specific courses from the list, whereas others leave the selection entirely to the student and the advisor.			
<ul style="list-style-type: none"> <li>ABS 475-475L Integrated Natural Resource Management &amp; Lab (3,0) (Conservation Planning and Management section) (Major Requirement)</li> <li>NRM 221 Introduction to Conservation Planning and Management (3) (Major Requirement)</li> <li>NRM 311 Principles of Ecology (3) (Major Requirement)</li> <li>PS 213-213L Soils &amp; Lab (2,1) (Major Requirement)</li> </ul>				<ul style="list-style-type: none"> <li>ABS 475-475L Integrated Natural Resource Management &amp; Lab (3,0) (Conservation Planning and Management section) (Major Requirement)</li> <li>NRM 221 Introduction to Conservation Planning and Management (3) (Major Requirement)</li> <li>NRM 311 Principles of Ecology (3) (Major Requirement)</li> <li>PS 213-213L Soils &amp; Lab (2,1) (Major Requirement)</li> </ul>			
<b>Major Requirements</b>			<b>79</b>	<b>Major Requirements</b>			<b>73</b>



*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pref.	Num	Title	Cr.Hrs	Pref.	Num	Title	Cr. Hrs
<b>CPPM Core Requirements</b>			<b>58</b>	<b>CPPM Core Requirements</b>			<b>52</b>
ABS	475	Integrated Natural Resource Management ( <i>Conservation Planning and Management section</i> )	3	ABS	475	Integrated Natural Resource Management ( <i>Conservation Planning and Management section</i> )	3
ABS	475L	Integrated Natural Resource Management Lab ( <i>Conservation Planning and Management section</i> )	0	ABS	475L	Integrated Natural Resource Management Lab ( <i>Conservation Planning and Management section</i> )	0
GEOG or GEOG	131-131L 132-132L	Physical Geography: Weather and Climate & Lab (4,0) Physical Geography: Natural Landscapes & Lab (4,0)	4	GEOG or GEOG	131-131L 132-132L	Physical Geography: Weather and Climate & Lab (4,0) Physical Geography: Natural Landscapes & Lab (4,0)	4
GEOG	365	Land Use and Planning	3	GEOG	365	Land Use and Planning	3
GEOG	372	Introduction to GIS	3	GEOG	372	Introduction to GIS	2
GEOG	372L	Introduction to GIS Lab	0	GEOG	372L	Introduction to GIS Lab	1
HO or BOT	339 303-303L	Arboriculture and Urban Forestry (3) Forest Ecology and Management & Lab (3)	3	HO or BOT	339 303-303L	Arboriculture and Urban Forestry (3) Forest Ecology and Management & Lab (2,1)	3
LDR	435	Organizational Leadership and Team Development	3	LDR	435	Organizational Leadership and Team Development	3
NRM	119	Orientation to Natural Resource Management	2	NRM	119	Orientation to Natural Resource Management	2
NRM	221	Conservation Planning and Management I	3	NRM	221	Introduction to Conservation Planning and Management	3
NRM	230	Natural Resource Management Techniques	2	NRM	230	Natural Resource Management Techniques	2
NRM	276	Scientific Communications	1	NRM	276	Scientific Communications	1
NRM OR STAT	282-282L 281	Natural Resource Management Statistics & Lab (3,0) Introduction to Statistics (3)	3	NRM OR STAT	282-282L 281	Natural Resource Management Statistics & Lab (2,1) Introduction to Statistics (3)	3
NRM	300	Laws and Policies in Natural Resource Management	3	NRM	300	Laws and Policies in Natural Resource Management	3
NRM	311	Principles of Ecology	3	NRM	311	Principles of Ecology	3
NRM	321	Park Interpretation	3	NRM	321	Park Interpretation	3
PS	213	Soils	2	PS	213	Soils	2
PS	213L	Soils Lab	1	PS	213L	Soils Lab	1
RANG	321	Wildland Ecosystems	3	RANG	321	Wildland Ecosystems	3
RANG	374	Habitat Conservation and Management	4	RANG	374	Habitat Conservation and Management	3
RANG	374L	Habitat Conservation and Management Lab	0	RANG	374L	Habitat Conservation and Management Lab	1
RECR	140	Introduction to Sport, Recreation, and Park Management	3	RECR	140	Introduction to Sport and Recreation Management	3
RECR	402	Outdoor Recreation Resources Management	3	RECR	402	Outdoor Recreation Resources Management	3
WL	430	Human Dimensions in Natural Resource Management	3	WL	430	Human Dimensions in Natural Resource Management	3
<b>CPPM Major Electives</b>			<b>21</b>	<b>CPPM Major Electives</b>			<b>21</b>
Select 21 credits from the following:				Select 21 credits from the following:			
BIOL	373	Evolution	3	BIOL	373	Evolution	3
BOT	301	Plant Systematics	3	BOT	301	Plant Systematics	3
BOT	301L	Plant Systematics Lab	0	BOT	301L	Plant Systematics Lab	0
BOT	303	Forest Ecology and Management	3	BOT	303	Forest Ecology and Management	2
BOT	303L	Forest Ecology and Management Lab	0	BOT	303L	Forest Ecology and Management Lab	1
BOT	405	Grasses and Grasslike Plants	3	BOT	405	Grasses and Grasslike Plants	1
BOT	405L	Grasses and Grasslike Plants Lab	0	BOT	405L	Grasses and Grasslike Plants Lab	2
BOT/ RANG	419	Plant Ecology	3	BOT/ RANG	419	Plant Ecology	2



*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pref.	Num	Title	Cr.Hrs	Pref.	Num	Title	Cr. Hrs
BOT/ RANG	419L	Plant Ecology Lab	0	BOT/ RANG	419L	Plant Ecology Lab	1
CEE	434	Hydrology	3	CEE	434	Hydrology	3
EES	430	Biological Invasions	3	EES	430	Biological Invasions	3
EES	430L	Biological Invasions Lab	0	EES	430L	Biological Invasions Lab	0
GEOG	473	GIS: Data Creation and Integration	3	GEOG	473	GIS: Data Creation and Integration	2
GEOG	473L	GIS: Data Creation and Integration Lab	0	GEOG	473L	GIS: Data Creation and Integration Lab	1
GEOG	474	GIS: Vector and Raster Modeling	3	GEOG	474	GIS: Vector and Raster Modeling	2
GEOG	474L	GIS: Vector and Raster Modeling Lab	0	GEOG	474L	GIS: Vector and Raster Modeling Lab	1
GEOG	475	GIS Applications	3	GEOG	475	GIS Applications	2
GEOG	475L	GIS Applications Lab	0	GEOG	475L	GIS Applications Lab	1
GEOG	483	UAS Remote Sensing	3	GEOG	483	UAS Remote Sensing	2
GEOG	483L	UAS Remote Sensing Lab	0	GEOG	483L	UAS Remote Sensing Lab	1
HO	339	Arboriculture and Urban Forestry	3	HO	339	Arboriculture and Urban Forestry	3
HRM	460	Human Resource Management	3	HRM	460	Human Resource Management	3
LA	331	Landscape Architecture Site Engineering	3	LA	331	Landscape Architecture Site Engineering	3
LA	341	Public and Social Place Design	3	LA	341	Public and Social Place Design	3
LA	352	Planting and Ecological Design	4	LA	352	Planting and Ecological Design	4
MGMT	360	Organization and Management	3	MGMT	360	Organization and Management	3
MICR	310	Environmental Microbiology	4	MICR	310	Environmental Microbiology	3
MICR	310L	Environmental Microbiology Lab	0	MICR	310L	Environmental Microbiology Lab	1
MICR	421	Soil Microbiology	3	MICR	421	Soil Microbiology	2
MICR	421L	Soil Microbiology Lab	0	MICR	421L	Soil Microbiology Lab	1
NRM	200	Animal Diversity	3	NRM	200	Animal Diversity	2
NRM	200L	Animal Diversity Lab	0	NRM	200L	Animal Diversity Lab	1
NRM	350	Conservation and Management of Endangered and Nongame Wildlife	3	NRM	350	Conservation and Management of Endangered and Nongame Wildlife	3
				NRM	410	Conservation Biology	3
NRM	450	Freshwater Monitoring and Assessment	3	NRM	450	Freshwater Monitoring and Assessment	2
NRM	450L	Freshwater Monitoring and Assessment Lab	0	NRM	450L	Freshwater Monitoring and Assessment Lab	1
				NRM	464	Ecosystem Ecology	3
NRM	466	Environmental Toxicology and Contaminants	3	NRM	466	Environmental Toxicology and Contaminants	3
NRM	482	Natural Resource Management Biometry	3	NRM	482	Natural Resource Management Biometry	2
NRM	482L	Natural Resource Management Biometry	0	NRM	482L	Natural Resource Management Biometry	1
				NRM	494	Internship	1
PRAG	340	Climate Risk Management with Precision Agriculture	3	PRAG	340	Climate Risk Management with Precision Agriculture	3
PS	210	Turf and Weed Management in Horticulture	3	PS	210	Turf and Weed Management in Horticulture	2
PS	210L	Turf and Weed Management in Horticulture Lab	0	PS	210L	Turf and Weed Management in Horticulture Lab	1
				RANG	205	Introduction to Range Management	2
				RANG	205L	Intro to Range Management Lab	1
RANG	210	Range Plant Identification	2	RANG	210	Range Plant Identification	2
RANG	210L	Range Plant Identification Lab	0	RANG	210L	Range Plant Identification Lab	2
RANG	421	Grassland Fire Ecology	3	RANG	421	Grassland Fire Ecology	3
RANG	425	Rangeland Assessment and Monitoring	3	RANG	425	Rangeland Assessment and Monitoring	2
RANG	425L	Rangeland Assessment and Monitoring Lab	0	RANG	425L	Rangeland Assessment and Monitoring Lab	1
RECR	302	Commercial Recreation and Tourism	3	RECR	302	Commercial Recreation and Tourism	3



*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Existing Curriculum				Proposed Curriculum (Highlight Changes)			
Pref.	Num	Title	Cr.Hrs	Pref.	Num	Title	Cr. Hrs
RECR	360	Sport, Recreation, and Park Programming	3	<del>RECR</del>	<del>360</del>	<del>Sport, Recreation, and Park Programming</del>	<del>3</del>
RECR	415	Sport and Recreation Facility Management	3	RECR	415	Sport and Recreation Facility Management	3
				<del>WL</del>	<del>220</del>	<del>Introduction to Wildlife &amp; Fisheries Management</del>	<del>3</del>
WL	355	Mammalogy	3	WL	355	Mammalogy	3
WL	355L	Mammalogy Lab	0	WL	355L	Mammalogy Lab	0
WL	363	Ornithology	4	WL	363	Ornithology	4
WL	363L	Ornithology Lab	0	WL	363L	Ornithology Lab	0
WL	367	Ichthyology	3	WL	367	Ichthyology	2
WL	367L	Ichthyology Lab	0	WL	367L	Ichthyology Lab	1
WL	411	Principles of Wildlife Management	3	WL	411	Principles of Wildlife Management	2
WL	411L	Principles of Wildlife Management Lab	0	WL	411L	Principles of Wildlife Management Lab	1
WL	412	Principles of Fisheries Management	3	WL	412	Principles of Fisheries Management	2
WL	412L	Principles of Fisheries Management Lab	0	WL	412L	Principles of Fisheries Management Lab	1
WL	415	Upland Game Ecology and Management	3	WL	415	Upland Game Ecology and Management	2
WL	415L	Upland Game Ecology and Management Lab	0	WL	415L	Upland Game Ecology and Management Lab	1
WL	417	Large Mammal Ecology and Management	3	WL	417	Large Mammal Ecology and Management	2
WL	417L	Large Mammal Ecology and Management Lab	0	WL	417L	Large Mammal Ecology and Management Lab	1
WL	419	Waterfowl Ecology and Management	3	WL	419	Waterfowl Ecology and Management	2
WL	419L	Waterfowl Ecology and Management Lab	0	WL	419L	Waterfowl Ecology and Management Lab	1
WL	425	Wildlife Nutrition and Disease	3	WL	425	Wildlife Nutrition and Disease	2
WL	425L	Wildlife Nutrition and Disease Lab	0	WL	425L	Wildlife Nutrition and Disease Lab	1
WL	427	Limnology and Stream Ecology	3	WL	427	Limnology and Stream Ecology	2
WL	427L	Limnology and Stream Ecology Lab	0	WL	427L	Limnology and Stream Ecology Lab	1
WL	431	Advanced Fisheries Management	3	WL	431	Advanced Fisheries Management	2
WL	431L	Advanced Fisheries Management Lab	0	WL	431L	Advanced Fisheries Management Lab	1
WL	434	Herpetology	3	WL	434	Herpetology	3
WL	434L	Herpetology Lab	0	WL	434L	Herpetology Lab	0
Electives			9	Electives			15
Summary of Credits Conservation Planning & Park Management (B.S.)							
System General Education Requirements			32	System General Education Requirements			32
College Requirements			0	College Requirements			0
Major Requirements			79	Major Requirements			73
Major Core (58)				Major Core (52)			
CPPM Major Electives (21)				CPPM Major Electives (21)			
Electives				Electives			
Total number of hours required for major			105	Total number of hours required for major			84
Total number of hours required for degree			120	Total number of hours required for degree			120

## 8. Explanation of the Change:

Removed a specific course selection from SGR #1, SGR #2, and SGR #3 to allow students more flexibility in meeting their System General Education requirements.

Departments have updated zero credit lab courses. The credits between the lecture and labs were adjusted to accurately reflect contact time.



Removed the RECR courses that no longer include park content or are no longer being offered by the School of Health and Consumer Sciences as of fall 2023.

Added relevant courses to the major electives list to provide students with more options.