



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

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM TITLE:	Conservation Planning and Park Management (B.S.) - Park Administration & Management Specialization
CIP CODE:	03.0101 – CPPM Major 31.0301 – PAM Specialization
UNIVERSITY DEPARTMENT:	Natural Resource Management
BANNER DEPARTMENT CODE:	SNAR
UNIVERSITY DIVISION:	Agriculture, Food & Environmental Science
BANNER DIVISION CODE:	3F

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

3/25/2020

Vice President of Academic Affairs or
President of the University

Date

1. This modification addresses a change in:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Total credits required within the discipline | <input 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 checked="" type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |

2. Effective date of change: 2020-2021 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)

Pref.	Num	Title	Cr. Hrs.	Pref.	Num	Title	Cr. Hrs.
System General Education Requirements			32	System General Education Requirements			32
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
SPCM	101	Fundamentals of Speech (SGR #2)	3	SPCM	101	Fundamentals of Speech (SGR #2)	3
ECON	201	Principles of Microeconomics (SGR #3)	3	ECON	201	Principles of Microeconomics (SGR #3)	3

Existing Curriculum

Proposed Curriculum (**highlight changes**)

Prof.	Num	Title	Cr. Hrs.	Prof.	Num	Title	Cr. Hrs.
POLS	210	State and Local Government (SGR #3)	3	POLS	210	State and Local Government (SGR #3)	3
		Student Choice (SGR #4)	3			Student Choice (SGR #4)	3
		Student Choice (SGR #4)	3			Student Choice (SGR #4)	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
College Requirements			0	College Requirements			0
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 both 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 both Bachelor of Science degrees follow.			
<ul style="list-style-type: none"> The requirements of one of the College's majors must be met. Specific requirements are listed under each program of study. 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. 				<ul style="list-style-type: none"> The requirements of one of the College's majors must be met. Specific requirements are listed under each program of study. 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. 			
Bachelor of Science in Agriculture, Food and Environmental Sciences				Bachelor of Science in Agriculture, Food and Environmental Sciences			
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"> ABS 475-475L Integrated Natural Resource Management & Lab (3) (Conservation Planning and Management section) (Major Requirement) NRM 221 Introduction to Conservation Planning and Management (3) (Major Requirement) NRM 282-282L Natural Resource Statistics & Lab (3) (Major Requirement) NRM 311 Principles of Ecology (3) (Major Requirement) 				<ul style="list-style-type: none"> ABS 475-475L Integrated Natural Resource Management & Lab (3) (Conservation Planning and Management section) (Major Requirement) NRM 221 Introduction to Conservation Planning and Management (3) (Major Requirement) NRM 282-282L Natural Resource Statistics & Lab (3) (Major Requirement) NRM 311 Principles of Ecology (3) (Major Requirement) 			
Major Requirements			83	Major Requirements			85
CPPM Core Requirements			62	CPPM Core Requirements			64
ABS	475-475L	Integrated Natural Resource Management & Lab	3	ABS	475-475L	Integrated Natural Resource Management & Lab	3
GEOG or GEOG	131-131L 132-132L	Physical Geography: Weather and Climate & Lab Physical Geography: Natural Landscapes & Lab (<i>recommended for PAM specialization</i>)	4	GEOG or GEOG	131-131L 132-132L	Physical Geography: Weather and Climate & Lab Physical Geography: Natural Landscapes & Lab (<i>recommended for PAM specialization</i>)	4
GEOG	365	Land Use and Planning	3	GEOG	365	Land Use and Planning	3
GEOG	372-372L	Introduction to GIS and Lab	3	GEOG	372-372L	Introduction to GIS and Lab	3
HO or BOT	339-339L 303-303L	Arboriculture and Urban Forestry Forest Ecology and Management & Lab	3	HO or BOT	339-339L 303-303L	Arboriculture and Urban Forestry Forest Ecology and Management & Lab	3
LEAD	435	Organizational Leadership and Team Development	3	LDR	435	Organizational Leadership and Team Development	3
NRM	119	Orientation to Natural Resource Management	3	NRM	119	Orientation to Natural Resource Management	3
NRM	221	Conservation Planning and Management I	3	NRM	221	Conservation Planning and Management I	3
NRM	230	Natural Resource Management Techniques	3	NRM	230	Natural Resource Management Techniques	3

Existing Curriculum

Proposed Curriculum (highlight changes)

Prof.	Num	Title	Cr. Hrs.	Prof.	Num	Title	Cr. Hrs.
				NRM	276	Scientific Communications	1
NRM	282-282L	Natural Resource Statistics & Lab	3	NRM	282-282L	Natural Resource Statistics & Lab	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	213-213L	Soils & Lab	3	PS	213-213L	Soils & Lab	3
RANG	321	Wildland Ecosystems	3	RANG	321	Wildland Ecosystems	3
RANG	374-374L	Habitat Conservation and Management & Lab	3	RANG	374-374L	Habitat Conservation and Management & Lab	4
RECR	140	Introduction to Sport, Recreation, and Park Management	3	RECR	140	Introduction to Sport, Recreation, and Park Management	3
RECR	402	Outdoor Recreation Resource Management	3	RECR	402	Outdoor Recreation Resource Management	3
WL	430	Human Dimensions in Natural Resource Management	3	WL	430	Human Dimensions in Natural Resource Management	3
Park Administration & Management Specialization Requirements			21	Park Administration & Management Specialization Requirements			21
ACCT	210	Principles of Accounting I	3	ACCT	210	Principles of Accounting I	3
BLAW or BADM or HRM or CM	350 360 460 216	Legal Environment of Business Organization and Management Human Resource Management Construction Methods and Material	9	BLAW or BADM/ MGMT or HRM or CM	350 360 460 216	Select 3 of the following: Legal Environment of Business Organization and Management Human Resource Management Construction Methods and Material	9
BOT or BOT or BOT	301-301L 405-405L 419-419L	Plant Systematics & Lab Grasses and Grasslike Plants & Lab Plant Ecology & Lab	3	BOT or BOT or BOT	301-301L 405-405L 419-419L	Plant Systematics & Lab Grasses and Grasslike Plants & Lab Plant Ecology & Lab	3
RECR or RECR or RECR	302 360 415	Commercial Recreation and Tourism Sport, Recreation, and Park Programming Sport and Recreation Facility Management	6	RECR or RECR or RECR	302 360 415	Select two of the following: Commercial Recreation and Tourism Sport, Recreation, and Park Programming Sport and Recreation Facility Management	6
Electives			5	Electives			3
Summary of Credits Conservation Planning & Park Management (B.S.) – Park Administration & Management Specialization							
System General Education Requirements			32	System General Education Requirements			32
College Requirements			0	College Requirements			0
Major Requirements			83	Major Requirements			85
Major Core (62)				Major Core (64)			
CPPM Major Electives (21)				CPPM Major Electives (21)			
Electives			5	Electives			3
Total number of hours required for major and specialization			83	Total number of hours required for major and specialization			85
Total number of hours required for degree			120	Total number of hours required for degree			120

7. Explanation of the Change:

RANG 374-374L Habitat Conservation and Management and Lab will increase from 3 to 4 credit hours. The current course structure is two 50-minute lectures and one 3-hour lab. The amount of

lecture material that needs to be covered is not fitting into the current structure and the instructors are not able to go in depth to meet the Student Learning Outcomes (SLOs). Historically, this course had been 4-cr, three 50-minute lectures and one 2-hour lab. The Department thought they could achieve the SLOs under the current format, but assessment metrics (quizzes and exams scores) reveal that students are not thinking critically thinking or developing the required level of understanding of course content.

A new course has been added to all programs within Natural Resource Management. NRM 276 Scientific Communications (1 cr.) will emphasize best practices in communicating science in written reports and oral presentations to prepare students for upper level natural resource management courses.