



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

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM TITLE:	Natural Resource Law Enforcement (B.S.)
CIP CODE:	22.0207
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

Vice President of Academic Affairs or
President of the University

3/25/2020

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 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 Requirements			32-34	System General Requirements			32-34
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
CJUS	201	Introduction to Criminal Justice (SGR #3)	3	CJUS	201	Introduction to Criminal Justice (SGR #3)	3
SOC	150	Social Problems (SGR #3)	3	SOC	150	Social Problems (SGR #3)	3

Existing Curriculum

Proposed Curriculum (Highlight Changes)

Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs
		Select two of the following courses with different prefixes, except for SPAN: (SGR #4)	6-8			Select two of the following courses with different prefixes, except for SPAN: (SGR #4)	6-8
PHIL	100	Introduction to Philosophy (3)		PHIL	100	Introduction to Philosophy (3)	
PHIL	220	Introduction to Ethics (3)		PHIL	220	Introduction to Ethics (3)	
MCOM	151	Intro to Mass Communication (3)		MCOM	151	Intro to Mass Communication (3)	
SPAN	101	Introductory Spanish I (4)		SPAN	101	Introductory Spanish I (4)	
SPAN	102	Introductory Spanish II (4)		SPAN	102	Introductory Spanish II (4)	
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
<p>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.</p> <ol 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. <p>Bachelor of Science in Agriculture, Food and Environmental Sciences</p> <p>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.</p> <ul style="list-style-type: none"> ABS 475-475L Integrated Natural Resource Management & Lab (3) (Supporting Coursework) NRM 282-282L Natural Resource Statistics & Lab (3) (Major Requirement) NRM 311 Principles of Ecology (Major Requirement) WL 220 Introduction to Wildlife and Management (3) (Major Requirement) 				<p>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.</p> <ol 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. <p>Bachelor of Science in Agriculture, Food and Environmental Sciences</p> <p>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.</p> <ul style="list-style-type: none"> ABS 475-475L Integrated Natural Resource Management & Lab (3) (Supporting Coursework) NRM 282-282L Natural Resource Statistics & Lab (3) (Major Requirement) NRM 311 Principles of Ecology (Major Requirement) WL 220 Introduction to Wildlife and Management (3) (Major Requirement) 			
Major Requirements			52	Major Requirements			50
BOT	201-201L	General Botany & Lab (3)	3	BOT	201-201L	General Botany & Lab (3)	3
OR				OR			
BOT	405-405L	Grasses & Grasslike Plants & Lab (3)		BOT	405-405L	Grasses & Grasslike Plants & Lab (3)	
OR				OR			
BOT	415-415L	Aquatic Plants & Lab (3)		BOT	415-415L	Aquatic Plants & Lab (3)	
OR				OR			
BOT	419-419L	Plant Ecology & Lab (3)		BOT	419-419L	Plant Ecology & Lab (3)	
NRM	119	Orientation to Natural Resource Management	2	NRM	119	Orientation to Natural Resource Management	2
NRM	230	Natural Resource Management Technique	3	NRM	230	Natural Resource Management Technique	3
				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

Existing Curriculum

Proposed Curriculum (Highlight Changes)

Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs
				NRM	476	Law Enforcement Techniques for Natural Resource Officers	3
RANG	374-374L	Habitat Conservation and Management and Lab	3	RANG	374-374L	Habitat Conservation and Management and Lab	4
WL	220	Intro to Wildlife and Fisheries	3	WL	220	Intro to Wildlife and Fisheries	3
WL	294	Internship	3	WL	294	Internship	3
WL	355-355L	Mammalogy & Lab	3	WL	355-355L	Mammalogy & Lab	3
WL	363-363L	Ornithology & Lab	4	WL	363-363L	Ornithology & Lab	4
WL	367-367L	Ichthyology & Lab	3	WL	367-367L	Ichthyology & Lab	3
WL	411-411L	Principles of Wildlife Management & Lab	3	WL	411-411L	Principles of Wildlife Management & Lab	3
WL	412-412L	Principles of Fish Management & Lab	3	WL	412-412L	Principles of Fish Management & Lab	3
WL	420	Wildlife Law and Enforcement	3	WL	420	Wildlife Law and Enforcement	3
WL	430	Human Dimensions in Natural Resource Management	3	WL	430	Human Dimensions in Natural Resource Management	3
WL	434-434L	Herpetology & Lab	3	WL	434-434L	Herpetology & Lab	3
Supporting Coursework			24	Supporting Coursework			24
ABS	475-475L	Integrated Natural Resource Management & Lab	3	ABS	475-475L	Integrated Natural Resource Management & Lab	3
CJUS OR SOC	330 325	Civil Rights and Liberties (3) Domestic and Intimate Violence (3)	3	CJUS/ POLS OR SOC	333 325	Constitutional Law: Civil Rights and Liberties (3) Domestic and Intimate Violence (3)	3
CJUS	334	Criminal Investigation	3	CJUS	334	Criminal Investigation	3
CJUS	412	Criminal Prosecution and Defense	3	CJUS	412	Criminal Prosecution and Defense	3
CJUS	431	Criminal Law	3	CJUS	431	Criminal Law	3
GEOG	372-372L	Introduction to GIS & Lab	3	GEOG	372-372L	Introduction to GIS & Lab	3
PS	213-213L	Soils & Lab	3	PS	213-213L	Soils & Lab	3
SOC	351	Criminology	3	SOC	351	Criminology	3
Electives			10-12	Electives			12-14
Electives taken as needed to complete any additional degree requirements. Students may elect to complete one of the emphasis areas identified below.				Electives taken as needed to complete any additional degree requirements. Students may elect to complete one of the emphasis areas identified below.			
<p>Regulation, Law and Policy Emphasis Select <u>three</u> of the following electives: AGEC 352 Agricultural Law (3) CJUS 203 Policing in a Free State (3) POLS 210 State and Local Government (3) POLS 430 Constitutional Law (3)</p> <p>Natural Resource Emphasis Select <u>three</u> of the following electives: BIOL 373 Evolution (3) EES 430-430L Biological Invasions & Lab (3) NRM 450-450L Freshwater Monitoring & Assessment & Lab (3) NRM 464 Ecosystem Ecology (3) NRM 466 Environmental Toxicology and Contaminants (3) NRM 482-482L Natural Resource Biometry (3) RANG 421 Grassland Fire Ecology (3) WL 415-415L Upland Game Ecology and Management & Lab (3) WL 417-417L Large Mammal Ecology & Management & Lab (3) WL 419-419L Waterfowl Ecology & Management & Lab (3) WL 427-427L Limnology and Lab (3) WL 431-431L Advanced Fisheries Management & Lab (3)</p>				<p>Regulation, Law and Policy Emphasis Select <u>three</u> of the following electives: AGEC 352 Agricultural Law (3) CJUS 203 Policing in a Free State (3) POLS 210 State and Local Government (3) POLS 430 Constitutional Law (3)</p> <p>Natural Resource Emphasis Select <u>three</u> of the following electives: BIOL 373 Evolution (3) EES 430-430L Biological Invasions & Lab (3) NRM 450-450L Freshwater Monitoring & Assessment & Lab (3) NRM 464 Ecosystem Ecology (3) NRM 466 Environmental Toxicology and Contaminants (3) NRM 482-482L Natural Resource Biometry (3) RANG 421 Grassland Fire Ecology (3) WL 415-415L Upland Game Ecology and Management & Lab (3) WL 417-417L Large Mammal Ecology & Management & Lab (3) WL 419-419L Waterfowl Ecology & Management & Lab (3) WL 427-427L Limnology and Lab (3) WL 431-431L Advanced Fisheries Management & Lab (3) WL 434-434L Herpetology & Lab (3)</p>			

Existing Curriculum

Proposed Curriculum (Highlight Changes)

Pref	Num	Title	Cr Hrs	Pref	Num	Title	Cr Hrs
Summary of Credits Natural Resource Law Enforcement (B.S.)							
System General Requirements			32-34	System General Requirements			32-34
College Requirements			0	College Requirements			0
Major Requirements			52	Major Requirements			50
Supporting Coursework			24	Supporting Coursework			24
Electives			10-12	Electives			12-14
Total number of hours required for major			76	Total number of hours required for major			74
Total number of hours required for degree			120	Total number of hours required for degree			120

7. Explanation of the Change:

NRM 476 Law Enforcement Techniques for Natural Resource Officers (3 cr.) will replace WL 294 Internship (3 cr.). NRM 476 will provide students hands on experience and a more supervised experience than WL 294.

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 critically thinking and providing a deeper understanding of the course content.

WL 434-434L Herpetology & Lab (3 cr.) will no longer be required but an elective.

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.