

SOUTH DAKOTA BOARD OF REGENTS ACADEMIC AFFAIRS FORMS

Substantive Program Modification Form

| UNIVERSITY: | SDSU |
|-------------------------------|--|
| CURRENT PROGRAM TITLE: | Wildlife & Fisheries Sciences (B.S.) |
| CIP CODE: | 03.0601 |
| UNIVERSITY DEPARTMENT: | Natural Resource Management |
| UNIVERSITY DIVISION: | Agriculture, Food & Environmental Sciences |

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 of | or | Date | | | | |
| | | President of the Univer | sity | | | | | | |
| | | | | | | | | | |
| | 1 This r | nodification addresses a change | in· | | | | | | |
| | | otal credits required within the dis | | | Total credit | ts of supportive course work | | | |
| | | otal credits of elective course worl | - | | | ts required for program | | | |
| | | ogram name | x | | Existing specialization | | | | |
| | | 0 | | | 0 1 | | | | |
| | | P Code | | | Other (expl | lain below) | | | |
| | | tive date of change: 2020-2021 | | | | | | | |
| | 3. Prog | ram Degree Level: Associate □ | Bache | elor's ⊠ | Maste | er's \Box Doctoral \Box | | | |
| | 4. Cate | gory: Certificate 🗆 Specializat | ion \Box | Minor | □ Majo | r 🗵 | | | |
| | 5. If a n | ame change is proposed, the ch | ange wi | ill occur | | | | | |
| | \Box On the effective date for all students | | | | | | | | |
| | \Box On the effective date for students new to the program (enrolled students will graduate from | | | | | | | | |
| | existing program) | | | | | | | | |
| | Proposed new name: | | | | | | | | |
| | | ary Aspects of the Modification | • | | | | | | |
| | •••••• | Existing Curriculum | • Proposed Curriculum (Highlight Change | | | | | | |
| Pref | Num | Title | Cr Hrs | Pref | Num | Title | Cr Hrs | | |
| System | General Red | quirements | 32 | | General Rec | quirements | 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 | | |
| | | Student Choice (SGR #3) | 3 | | | Student Choice (SGR #3) | 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 | | |
| 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 | | |

Existing Curriculum

Proposed Curriculum (Highlight Changes)

| | 1 | Existing Curriculum | 1 | | | Curriculum <mark>(Highlight Changes</mark>) | _ | | |
|---|--|--|------------------------|--|--|--|------------------------------|--|--|
| Pref | Num | Title | Cr Hrs | Pref | Num | Title | Cr Hrs | | |
| PHYS | 101-101L | Survey of Physics & Lab (4) | 4 | PHYS | 101-101L | Survey of Physics & Lab (4) | 4 | | |
| OR | | | | OR | | | | | |
| PHYS | 111-111L | Introduction to Physics & Lab (4) | | PHYS | | Introduction to Physics & Lab (4) | 2 | | |
| College Requirements | | | 2 | | College Requirements | | | | |
| Students seeking the Bachelor of Science degree must | | | | | Students seeking the Bachelor of Science degree must | | | | |
| | complete the System General Education Requirements. In | | | | complete the System General Education Requirements. In | | | | |
| | | ent must select a "specialization." | | some majors, the student must select a "specialization." | | | | | |
| | | ts for both Bachelor of Science | | Additional requirements for both Bachelor of Science | | | | | |
| degrees fo | | | | degrees follow. | | | | | |
| | | of one of the College's majors must be | | | | of one of the College's majors must | | | |
| | | irements are listed under each program | | | | requirements are listed under each | | | |
| of stu | | | | program of study. | | | | | |
| | | s must be upper division (300 and | | | | ts must be upper division (300 and | | | |
| | | xception that MATH 125 and 225, | | | | exception that MATH 125 and 225, | | | |
| | | I, may be counted as five credits | | | | I, may be counted as five credits | | | |
| | rd the total. | | | | rd the total. | | | | |
| | | Agriculture, Food and | | | | n Agriculture, Food and | | | |
| | nental Scien | | | | nental Scien | | | | |
| | | te a minimum of 11 credits from the | | | | te a minimum of 11 credits from the | | | |
| | | 1 courses in Agriculture, Food and | | | | p 1 courses in Agriculture, Food and | | | |
| | | e. Some departments require specific | | | | the list, whereas others leave the | | | |
| | | whereas others leave the selection | | | | the list, whereas others leave the | | | |
| | | and the advisor. | | | | the student and the advisor. | | | |
| | | atural Resource Statistics & Lab (3) | | | NRM 282-282L Natural Resource Statistics & Lab (3) (Maior Brancing and 1) | | | | |
| | or Requireme | | | | (Major Requirements) | | | | |
| | | es of Ecology (3) (Major | | | NRM 311 Principles of Ecology (3) (Major Paguiramenta) | | | | |
| | rements) | | | | Requirements) | | | | |
| | | on to Wildlife and Management (3) | | | | tion to Wildlife and Management (3) | | | |
| | or Requireme Requirement | | 64-73 | | or Requirem <mark>Requirement</mark> | | <mark>67-73</mark> | | |
| BIOL | 153-153L | s General Biology II & Lab (4) | 04-73 3-4 | | | | 0/-/3 | | |
| | 100-100L | | | RICH | 153 153L | <u>General Riology II & Lab (4)</u> | <mark>3</mark> | | |
| LOR | | General Biology II & Lab (4) | 3-4 | BIOL OP | <mark>153-153L</mark> | General Biology II & Lab (4) | <mark>3</mark> | | |
| OR BOT | 201-2011 | | 5-4 | <mark>OR</mark> | | | <mark>3</mark> | | |
| BOT | 201-201L | General Botany I & Lab (4) | 5-4 | <mark>OR</mark> BOT | 153-153L 201-201L | General Biology II & Lab (4) General Botany I & Lab (3) | <mark>3</mark> | | |
| BOT OR | | General Botany I & Lab (3) | 5-4 | <mark>OR</mark> BOT <mark>OR</mark> | 201-201L | General Botany I & Lab (3) | 3 | | |
| BOT OR NRM | 200-200L | General Botany I & Lab (3) Animal Diversity & Lab (3) | | <mark>OR</mark> BOT <mark>OR</mark> NRM | 201-201L 200-200L | General Botany I & Lab (3) Animal Diversity & Lab (3) | | | |
| BOT OR NRM BIOL | | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & | 3-4 | OR BOT OR NRM AS | 201-201L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics | 3 3 3 | | |
| BOT OR NRM | 200-200L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) | | <mark>OR</mark> BOT <mark>OR</mark> NRM | 201-201L 200-200L | General Botany I & Lab (3) Animal Diversity & Lab (3) | | | |
| BOT OR NRM BIOL OR | 200-200L 202-202L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & | | OR BOT OR NRM AS OR | 201-201L 200-200L 332 | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) | | | |
| BOT OR NRM BIOL OR | 200-200L 202-202L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) | | OR BOT OR AS OR BIOL | 201-201L 200-200L 332 | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) Genetics and Organismal Biology | | | |
| BOT OR NRM BIOL OR | 200-200L 202-202L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) | | OR BOT OR NRM AS OR BIOL OR | 201-201L 200-200L 332 202-202L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) Genetics and Organismal Biology <u>& Lab (4)</u> | | | |
| BOT OR NRM BIOL OR BIOL | 200-200L 202-202L 371 | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) | 3-4 | OR OR NRM AS OR BIOL OR BIOL | 201-201L 200-200L 332 202-202L 371 | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) Genetics and Organismal Biology <u>& Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) | 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM | 200-200L 202-202L 371 | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) | 3-4 | OR OR AS OR BIOL BIOL CHEM | 201-201L 200-200L 332 202-202L 371 | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) <u>Genetics and Organismal Biology</u> <u>& Lab (4)</u> Genetics (3) | 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM AND | 200-200L 202-202L 371 106-106L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) | 3-4 | OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND | 201-201L 200-200L 332 202-202L 371 106-106L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) Genetics and Organismal Biology <u>& Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) | 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM | 200-200L 202-202L 371 106-106L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) | 3-4 | OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM | 201-201L 200-200L 332 202-202L 371 106-106L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) <u>Genetics and Organismal Biology</u> <u>& Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab | 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM AND | 200-200L 202-202L 371 106-106L 108-108L 112-112L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) | 3-4 | OR BOT OR NRM AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) Genetics and Organismal Biology <u>& Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) | 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM AND CHEM AND CHEM | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) | 3-4 | OR AS OR AS OR BIOL OR CHEM AND CHEM OR CHEM AND CHEM AND CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) <u>Genetics and Organismal Biology</u> <u>& Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) | <mark>3</mark> 8-9 | | |
| BOT OR NRM BIOL OR BIOL CHEM AND CHEM AND CHEM CEE | 200-200L 202-202L 371 106-106L 108-108L 112-112L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) | 3-4 | OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM AND CHEM AND CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L | General Botany I & Lab (3) <u>Animal Diversity & Lab (3)</u> Livestock Breeding and Genetics (3) Genetics and Organismal Biology <u>& Lab (4)</u> Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) | 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM OR CHEM AND CHEM CHEM CEE OR | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) | 3-4 | OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM AND CHEM AND CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) | <mark>3</mark> 8-9 | | |
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| BOT OR NRM BIOL OR BIOL CHEM OR CHEM OR CHEM CHEM CEE OR CHEM OR | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) | 3-4 | OR AND AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM AND CHEM AND CHEM AND CHEM OR CHEM OR | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) | <mark>3</mark> 8-9 | | |
| BOT OR NRM BIOL OR BIOL CHEM OR CHEM OR CHEM CHEM CEE OR CHEM OR CHEM OR PS | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) | 3-4 | OR AND AS OR BIOL OR BIOL CHEM OR CHEM OR CHEM AND CHEM AND CHEM AND CHEM OR CHEM OR CHEM AND CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) | <mark>3</mark> 8-9 | | |
| BOT OR NRM BIOL OR BIOL CHEM CHEM OR CHEM CHEM CEE OR CHEM OR CHEM OR PS OR | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) | 3-4 | OR AS OR BIOL OR BIOL OR BIOL CHEM OR CHEM OR CHEM AND CHEM AND CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended | <mark>3</mark> 8-9 | | |
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| BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM CHEM CEE OR CHEM OR PS OR | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) | 3-4 | OR AS OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended | <mark>3</mark> 8-9 | | |
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| BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM OR CHEM OR PS OR PS ENGL | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379 | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) Principles of Geology (3) Technical Communication | 3-4 8-9 3-4 3 | OR AND AND OR BIOL OR BIOL OR CHEM AND CHEM OR CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM CHEM CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379 215 | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended Principles of Geology (3) Technical Communication Public Speaking | 3 8-9 3-4 3 | | |
| BOT OR NRM BIOL OR BIOL CHEM AND CHEM OR CHEM CHEM CEE OR CHEM OR PS OR PS | 200-200L 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 | General Botany I & Lab (3) Animal Diversity & Lab (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) Principles of Geology (3) | 3-4 8-9 3-4 | OR AS OR AS OR BIOL OR BIOL CHEM AND CHEM OR CHEM AND CHEM CHEM CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM OR CHEM | 201-201L 200-200L 332 202-202L 371 106-106L 108-108L 112-112L 326-326L 434 328-328L 213-213L 243 379 | General Botany I & Lab (3) Animal Diversity & Lab (3) Livestock Breeding and Genetics (3) Genetics and Organismal Biology & Lab (4) Genetics (3) Chemistry Survey & Lab (4) Organic and Biochemistry & Lab (5) General Chemistry I & Lab (4) Organic Chemistry I & Lab (4) Hydrology (3) Organic Chemistry II & Lab (4) Soils & Lab (3) recommended Principles of Geology (3) Technical Communication | <mark>3</mark> 8-9 3-4 | | |

Existing Curriculum

Proposed Curriculum (*Highlight Changes*)

| NRM 230 Natural Resource Management Techniques 3 NRM 230 Natural Resource Management 3 NRM 222-2821 Natural Resource Statistics & Lab 3 NRM 222-2821 Natural Resource Management 3 NRM 322-2821 Natural Resource Management 3 NRM 232-2821 Natural Resource Management 3 NRM 232-2821 Natural Resource Management 3 NRM 232-2821 Natural Resource Management 3 WL 1411 Principles of Fisheries Management 3 WL 411 Principles of Fisheries Management 3 Botany Requirement-Select oge of the following: 3 WL 411 Principles of Fisheries Management 3 Botany Requirement-Select oge of the following: 1-3 Botany Requirement-Select oge of the following: 8 BOT 405-4015. Crasses & Classike Plans & Lab (3) BOT 415-4151. Fasheris Classes & Classike Plans & Lab (3) BOT 415-4152. Aquatic Plants & Lab (3)< | | | Existing Curriculum | | 1 | | Curriculum <mark>(Highlight Changes</mark> | <u>/</u> | | |
|---|-----------|-----------------|-------------------------------------|--------|------------------|------------------|--|--------------------|--|--|
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| Image: Control of the construction of the c | NRM | 230 | Natural Resource Management | 3 | NRM | 230 | Natural Resource Management | 3 | | |
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| Existing Curriculum | | | | Proposed Curriculum (Highlight Changes) | | | | |
|---|--|--------------------|-------------|---|---------------|-----------|--------|--|
| Pref | Num | Title | Cr Hrs | Pref | Num | Title | Cr Hrs | |
| | | Summary of Credits | for Wildlif | e and Fish | eries Science | es (B.S.) | | |
| System C | eneral Rec | uirements | 32 | System General Requirements | | | | |
| College Requirements | | | 2 | College Requirements | | | | |
| Major Requirements | | | 64-73 | Major Requirements | | | | |
| Electives | | | 13-22 | Electives | | | | |
| | Total number of hours required for major | | | Total number of hours required for major | | | | |
| Total number of hours required for degree | | | | Total number of hours required for degree | | | | |

7. Explanation of the Change:

The requested changes include:

Students will be required to complete General Botany I and Lab BOT 201-201L) instead of general biology (BIOL 153-153L) or animal diversity (NRM 200-200L) which has not been taught in several years.

Students will also be required to complete either BIOL 371Genetics or AS 332 Livestock Breeding and Genetics instead of BIOL 202-202L.

Required physical science courses will focus on soils (PS 213-213 recommended) but will allow either organic chemistry (CHEM 328-328L) or geography (PS 243). Hydrology (CEE 434) will be deleted from the list of course possibility as few students take the course.

Forest ecology (BOT 303-303L) will be added as one of the botany electives. RANG 210 and RANG 400 will be removed because they do not meet certification requirements.

RANG 374 will increase from 3 to 4 credits.

NRM 276 Scientific Communications (1 cr.) was added to the major requirements. This course will emphasize best practices in communicating science in written reports and oral presentations to prepare students for upper level natural resource management courses.

In addition, a new course NRM 350 Conservation and Management of Endangered and Nongame Wildlife (3 cr.) was added as an elective.