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**PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)**

**SUBMITTED BY:**

Department	<b>NRM</b>	College/School	<b>SNRAS</b>
Prepared by	<b>Martha Westphal</b>	Phone	<b>7188</b>
Email Contact	<b><a href="mailto:mmwestphal@alaska.edu">mmwestphal@alaska.edu</a></b>	Faculty Contact	<b>Mingchu Zhang</b>

See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

**PROGRAM IDENTIFICATION:**

<b>DEGREE PROGRAM</b>	<b>Natural Resource Management - High Latitude Agriculture –Concentration</b>
Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	<b>B.S.</b>

**A. CHANGE IN DEGREE REQUIREMENTS:** (Brief statement of program/degree changes and objectives)

**Remove NRM 102 Practicum in Natural Resources Management as an elective requirement.**

**B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:**

High Latitude Agriculture

a. Complete the following:

BIOL F331—Systematic Botany (4)  
 or BIOL F310—Animal Physiology (4)  
 or BIOL F317—Comparative Anatomy of Vertebrates (4).....4  
 NRM F211—Introduction to Applied Plant Science.....3  
 NRM F290—Resource Management Issues at High Latitudes.....2  
 NRM F312—Range Management.....3  
 NRM F320—Animal Science.....3  
 NRM F480—Soil Management for Quality Conservation (3)  
 or NRM F485—Soil Biology\* (3).....3  
 or NRM F466—Environmental Soil Chemistry (3)

b. Complete at least 8 credits in biology, botany, physics, chemistry, geosciences and/or mathematics, in addition to the above basic courses. Courses must be approved for science majors.

c. Complete at least 9 credits in natural resources management electives:

NRM F102—Practicum in Natural Resources Management (1 – 2)  
 and any other NRM course at the F200-level or above that has not been used to meet other requirements.

d. Complete at least 12 credits beyond those taken to fulfill

categories above in a support field which is a group of courses selected for its clear pertinence to a cohesive program.

Support fields may include but are not limited to: animal science, chemistry, communications, education, engineering, forestry, geography, marketing, natural resources management, nutrition, plant science, rural development or soils. The courses must be approved by the student's academic advisor prior to attaining senior standing.

*\* The same course cannot be used to satisfy requirements in both sections a and c.*

C. PROPOSED REQUIREMENTS AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:  
(Underline new wording ~~strike through old wording~~ and use complete catalog format )

### High Latitude Agriculture

a. Complete the following:

BIOL F331—Systematic Botany (4)

or BIOL F310—Animal Physiology (4)

or BIOL F317—Comparative Anatomy of Vertebrates (4).....4

NRM F211—Introduction to Applied Plant Science.....3

NRM F290—Resource Management Issues at High Latitudes.....2

NRM F312—Range Management.....3

NRM F320—Animal Science.....3

NRM F480—Soil Management for Quality Conservation (3)

or NRM F485—Soil Biology\* (3).....3

or NRM F466—Environmental Soil Chemistry (3)

b. Complete at least 8 credits in biology, botany, physics, chemistry, geosciences and/or mathematics, in addition to the above basic courses. Courses must be approved for science majors.

c. Complete at least 9 credits in natural resources management electives:

~~NRM F102—Practicum in Natural Resources Management (1—2)~~

~~and~~ any ~~other~~ NRM course at the F200-level or above that has not been used to meet other requirements.

d. Complete at least 12 credits beyond those taken to fulfill categories above in a support field which is a group of courses selected for its clear pertinence to a cohesive program.

Support fields may include but are not limited to: animal science, chemistry, communications, education, engineering, forestry, geography, marketing, natural resources management, nutrition, plant science, rural development or soils. The

courses must be approved by the student's academic advisor prior to attaining senior standing.

*\* The same course cannot be used to satisfy requirements in both sections a and c.*

**D. ESTIMATED IMPACT**

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

NONE

**E. IMPACTS ON PROGRAMS/DEPTS:**

What programs/departments will be affected by this proposed action?  
Include information on the Programs/Departments contacted (e.g., email, memo)

NONE

**F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:**

Description of the student learning outcomes assessment process.)

**JUSTIFICATION FOR ACTION REQUESTED**

The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.

**NRM 102 is no longer being taught. Course content is in other classes. We are in the process of updating the catalog.**

**JUSTIFICATION FOR ACTION REQUESTED**

The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.

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**APPROVALS:**

<i>Morgan Stoy</i>	Date	Dec. 2, 2010
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Signature, Chair, Program/Department of: High Latitude Agriculture

<i>P. Kuffner</i>	Date	Dec 2, 2010
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Signature, Chair, College/School Curriculum Council for: SNRAS

<i>Carl Lewis</i>	Date	12-3-10
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Signature, Dean, College/School of: SNRAS

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

	Date	
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Signature, Chair, UAF Faculty Senate Curriculum Review Committee