

Submit originals and one copy and electronic copy to Governance/Faculty Senate  
Office (email electronic copy to [fysenat@uaf.edu](mailto:fysenat@uaf.edu))

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

**SUBMITTED BY:**

Department	Physics	College/School	College of Natural Sciences and Mathematics
Prepared by	C. P. Price	Phone	907-474-6106
Email Contact	<a href="mailto:cpprice@alaska.edu">cpprice@alaska.edu</a>	Faculty Contact	C. P. Price

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>	Physics
<b>Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)</b>	B.S.

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

The Physics Department proposes to drop the requirement to complete PHYS 382, "Physics Laboratory", as the course is no longer offered. The proposed change will bring the degree requirements into line with current practice.

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

3. Complete the following degree requirements:  
[Ignorable text excised]  
PHYS F382W -- Physics Laboratory .....3

**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 )

3. Complete the following degree requirements:  
[Ignorable text excised]  
~~PHYS F382W -- Physics Laboratory .....3~~

RECEIVED

OCT - 1 2010

Dean's Office  
College of Natural Science & Mathematics

**D. ESTIMATED IMPACT**

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

None. The Physics Department has lacked the resources to offer PHYS 382W "Advanced Laboratory" for the last several years and does not anticipate a positive change in that situation.

**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. Only Physics majors have taken this course in the last twenty years.

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

**Description of the student learning outcomes assessment process.**

The learning outcomes supported by this course are already enabled by PHYS 381.

**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.

The Physics Department has lacked the resources to offer PHYS 382W "Advanced Laboratory" for the last several years and does not anticipate a positive change in that situation. As a result, for the last several years students have had to petition to waive the requirement to take PHYS 382 in order to graduate. The learning outcomes for the course which are internal to the department (from the description of the course, "Laboratory experiments in classical and modern physics") are fully supported by the requirement for PHYS 381W "Advanced Laboratory" (with the identical description), to which the department remains firmly committed. The proposed change will bring the degree requirements into line with the current practice. Students have numerous other options to earn the second upper division W required for the baccalaureate degree.

**APPROVALS:**

<i>Atam B. Choudhary</i>		Date	<i>9/30/2010</i>
Signature, Chair, Program/Department of:			
<i>[Signature]</i>		Date	<i>10/4/2010</i>
Signature, Chair, College/School Curriculum Council for:		<i>CNSM</i>	
<i>[Signature]</i>		Date	<i>10/5/10</i>
Signature, Dean, College/School of:		<i>CNSM</i>	

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

	Date	
Signature, Chair, UAF Faculty Senate Curriculum Review Committee		

Submit originals and one copy and electronic copy to Governance/Faculty Senate  
Office (email electronic copy to [fy Senat@uaf.edu](mailto:fy Senat@uaf.edu))

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

**SUBMITTED BY:**

Department	Physics	College/School	College of Natural Sciences and Mathematics
Prepared by	C. P. Price	Phone	907-474-6106
Email Contact	<a href="mailto:cpprice@alaska.edu">cpprice@alaska.edu</a>	Faculty Contact	C. P. Price

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

**PROGRAM IDENTIFICATION:**

DEGREE PROGRAM	Physics
Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	B.S.

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

The present requirements specify three credits of PHYS 471 "Advanced Topics in Physics I" and three credits of PHYS 472 "Advanced Topics in Physics II". The proposed change will change the requirement to six credits total from PHYS 471 and/or PHYS 472.

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

3. Complete the following program (major) requirements:\*

[excised text]

PHYS F471 -- Advanced Topics in Physics I\*\* .....3

PHYS F472 -- Advanced Topics in Physics II\*\* .....3

[excised text]

\*\* Student must take at least three emphasis topics from F471 and at least three application topics from F472

RECEIVED

OCT - 1 2010

Dean's Office  
College of Natural Science & Mathematics

**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)**

3. Complete the following program (major) requirements:\*

[excised text]

PHYS F471 -- Advanced Topics in Physics I\*\* .....30-6

PHYS F472 -- Advanced Topics in Physics II\*\* .....30-6

[excised text]

\*\* Student must take at least three emphasis topics from F471 and at least three application topics from F472 a total of six topics from F471 and F472.

**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. This is a clarification of a program requirement.

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

Description of the student learning outcomes assessment process.)

None. This is a clarification of a program requirement.

**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.

PHYS 471 "Advanced Topics in Physics I" and PHYS 472 "Advanced Topics in Physics II" are offered as one credit modules. The Physics Department schedules three credits from either or both courses each semester, but due to constrained availability of instructors, is not always able to offer precisely three credits from each course each academic year. Hence, for the last several years students have had to petition to waive the requirement for three credits of each course in order to graduate, and instead substitute six total credits from the two courses combined. There is no change to the learning outcomes by this change. The proposed change will bring the degree requirements into line with the current practice.



**APPROVALS:**

<i>Stam Q. Chowdhury</i>		Date	9/30/2010
Signature, Chair, Program/Department of:		<u>Physics</u>	
<i>[Signature]</i>		Date	10/4/2010
Signature, Chair, College/School Curriculum Council for:		CNSM	
<i>Paul W. Lays</i>		Date	10/5/10
Signature, Dean, College/School of:		CNSM	

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

	Date	
Signature, Chair, UAF Faculty Senate Curriculum Review Committee		