To: Connie Foster, Chancellor  
116 North Hall  
University of Wisconsin-River Falls

From: David Rainville, Chair  
Faculty Senate  
University of Wisconsin-River Falls

RE: UW-RF Faculty Senate Motion 2008/2009/42

At the December 10, 2008 meeting of Wisconsin-River Falls Faculty Senate, motion 2008-2009/42 was passed. This motion is forwarded for your action.

A motion from AP&P for approval of an emphasis/option change in the Physics Major - Option I (Liberal Arts).

X Approved

Disapproved

Connie Foster, Chancellor

1-28-09 Date
TRANSMITTAL for UNDERGRADUATE PROGRAMS: Changes or Proposals

I. INFORMATION:

A. Check all that apply: 
   New Program □  Existing Program □  
   Name Change □  Credits Change □  
   Substantial Major / Minor Content Change □  Emphasis/Option Change □

B. Program Title: Physics Major - Option I (Liberal Arts)

C. Department(s) (Originating): Physics

D. College(s) (Originating): CAS

E. Other Programs / Departments Consulted (Requires letters of support from all
   Departments or Programs substantially affected):

   1)  
   2)  
   3)  
   4)  

F. Date of Implementation: Spring Semester 2009 Year

G. Have all courses in this program been approved? Yes □  No □  If “No”, which
   ones?

H. Attach Request Narrative

II. UNIT APPROVALS: Requires signatures of all Department Chairs and Deans whose
   programs will be substantially affected by the changes or proposal. Signature lines for the
   affected Departments and Colleges (noted in “E” above), are on the back of this form. These
   signatures should be obtained prior to review by all other shared governance levels.

   Department Curriculum Committee Chair (optional)  
   Signature  Date
   K. A.  10-16-08

   Department Chair  
   Signature  Date
   E. L.  10-16-08

   College Curriculum Cmtt. Chair  
   Signature  Date
   Charles S. Riden  10-30-08

   Dean of College  
   Signature  Date
   Suzanne Hagen  10-31-08

   University Curriculum Cmtt. Chair  
   Signature  Date
   Barbara S. Nelson  11-07-08

   Academic Policy & Program Cmtt. Chair  
   Signature  Date
   Christopher H. Bauerle  11-18-08

   Faculty Senate Chair  
   Signature  Date
   Eugene Bejaule  12-11-08

   Provost / Vice Chancellor  
   Signature  Date
   Jerre M.  1-28-09

*NOTE: The master copy of this transmittal & accompanying documents must be filed in the Provost’s office
upon final approval. The Provost’s office will notify all appropriate administrative offices [Registrar, Dean(s),
& Department Chair(s)] of approvals & necessary actions to implement changes.
Narrative for Program Changes for Physics - Option I (Liberal Arts)

We are proposing modifying the number of credits on three physics courses, which will have a small impact on the Option I Physics major. The three courses involved are the three Electronics courses, and they will be increased from 3 credits to 4 credits.

PHYS 311 is a required part of the Core Courses for the Option I, Option II, Secondary Education and Applied majors. It is a directed elective in the Dual Degree program and an elective for both the Liberal Arts minor and the Secondary Education minor.

PHYS 312 and PHYS 313 are required for the Applied Option, and are allowed electives in all the other major options and both minors.

There is a common core of courses for the Option I, Option II, Secondary Education and Applied majors. The courses in the core add up to 25 credits. The proposed increase in credits for PHYS 311 will increase the core to 26 credits. To keep the total credits for the major unchanged, the number of elective credits will decrease by one. The proposed changes for Option I are summarized below.

<table>
<thead>
<tr>
<th>Option I:</th>
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<tr>
<td>Core ................................................. 26 credits</td>
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<tr>
<td>Directed Electives in Physics .................. 24 credits</td>
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<tr>
<td>Total for Option I .................. 50 credits</td>
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The common core consists of the following courses:

- PHYS 161 Calc-based Physics I .............. 4 credits
- PHYS 166 Calc-based Phys Lab I ............. 1 credit
- PHYS 162 Calc-based Physics II ............. 4 credits
- PHYS 167 Calc-based Physics Lab II .......... 1 credit
- PHYS 204 Intermediate Physics Lab ........... 1 credit
- PHYS 264 Modern Physics .................. 4 credits
- PHYS 301 Advanced Phys Lab I ............. 3 credits
- PHYS 302 Advanced Phys Lab II ............. 3 credits
- PHYS 311 Electronics: Circuits & Devices 4 credits
- PHYS 485 Seminar .......................... 1 credit