

# UNIVERSITY FACULTY SENATE FORMS

## Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: **Norbert Mulders** \_\_\_\_\_ phone number **x3517** \_\_\_\_\_

Department: **Physics and Astronomy** \_\_\_\_\_ email address **\_mulders@udel.edu**

Date: **10/12/09** \_\_\_\_\_

Action: **Revise minor** \_\_\_\_\_  
(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term **10F** \_\_\_\_\_  
(use format 04F, 05W)

Current degree **Minor in Astronomy** \_\_\_\_\_  
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: \_\_\_\_\_  
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: \_\_\_\_\_  
Proposed new name for revised or new major / minor / concentration / academic unit  
(if applicable)

### Revising or Deleting:

Undergraduate major / Concentration: \_\_\_\_\_  
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: **Astronomy** \_\_\_\_\_  
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: \_\_\_\_\_  
(Must attach your Graduate Program Policy Statement)

Graduate Program of Study: \_\_\_\_\_  
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: \_\_\_\_\_

**Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.**

**List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?**

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through

the Course Challenge list. If there are no new courses enter "None")

**Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education:** <http://www.ugs.udel.edu/gened/>

**Identify other units affected by the proposed changes:**

(Attach permission from the affected units. If no other unit is affected, enter "None")

None

**Describe the rationale for the proposed program change(s):**

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

Nw courses were added to the course inventory, PHYS630 GALAXIES and PHYS639 Special topics in Astronomy and Astrophysics, which are appropriate for the Astronomy Minor.

Some language was added to prevent "double counting". The astronomy courses that are counted towards the astronomy minor cannot be used simultaneously for a physics minor or major degree.

**Program Requirements:**

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and **include a side-by-side comparison** of the credit distribution before and after the proposed change.)

**ROUTING AND AUTHORIZATION:** (Please do not remove supporting documentation.)

Department Chairperson George Hadjipaw Date Oct. 13/09

Dean of College \_\_\_\_\_ Date \_\_\_\_\_

Chairperson, College Curriculum Committee \_\_\_\_\_ Date \_\_\_\_\_

Chairperson, Senate Com. on UG or GR Studies \_\_\_\_\_ Date \_\_\_\_\_

Chairperson, Senate Coordinating Com. \_\_\_\_\_ Date \_\_\_\_\_

Secretary, Faculty Senate \_\_\_\_\_ Date \_\_\_\_\_

Date of Senate Resolution \_\_\_\_\_ Date to be Effective \_\_\_\_\_

Registrar \_\_\_\_\_ Program Code \_\_\_\_\_ Date \_\_\_\_\_

Vice Provost for Academic Affairs & International Programs \_\_\_\_\_ Date \_\_\_\_\_

Provost \_\_\_\_\_ Date \_\_\_\_\_

Board of Trustee Notification \_\_\_\_\_ Date \_\_\_\_\_

## **Current version**

### **MINOR IN ASTRONOMY**

The requirements for the minor in Astronomy are PHYS 207, PHYS 208, or PHYS 245, and at least 9 credits from among PHYS 133, or PHYS 144 or PHYS 145, and PHYS 333, PHYS 469, PHYS 434, PHYS 632, PHYS 633, PHYS 634, PHYS 635 and PHYS 644. Students considering a minor in physics should consult the Director of Physics and Astronomy Undergraduate Programs for advice on prerequisites for these courses and for assignment to an advisor.

## **New version**

### **MINOR IN ASTRONOMY**

The requirements for the minor in Astronomy are PHYS 207, PHYS 208 or PHYS 245, and at least 9 credits from among PHYS 133 or PHYS 144 or PHYS 145, and PHYS 333, PHYS 469, PHYS 434, PHYS630, PHYS 632, PHYS 633, PHYS639, PHYS 634, PHYS 635 and PHYS 644. Students considering a minor in astronomy should consult the Director of Physics and Astronomy Undergraduate Programs for advice on prerequisites for these courses and for assignment to an advisor.

Students can earn a minor or major degree in Physics as well as a minor in Astronomy. However, with the exception of PHYS207, PHYS208 and PHYS245, courses applied towards for the astronomy minor cannot at the same time count towards either a physics major or minor degree.