

# Undergraduate Curriculum Committee Minutes

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October 03, 2018

Ginger Hall 201

3:00 – 4:00 p.m.

PLEASE NOTE: All proposals approved by the Undergraduate Curriculum Committee are sent to the Provost for final approval.

ALL PROPOSALS WERE CONSIDERED THROUGH THE ONLINE VOTING PROCESS. NO FACE-TO-FACE MEETING.

Members Voting Online: Julia Finch, Morgan Getchell, Flint Harrelson, Julia Ann Hypes, Nilesh Joshi, Tom Kmetz, and Shane Shope.

Shane Shope (first responder) made the motion to accept all online proposals.

Members Absent: Sara Lindsey

1. Minutes (online voting)
  - August 22, 2018 – *approved*
2. Minor Revision to Existing Course (online voting)
  - ASTR 125 Astronomical and Physics Methods to Explore the Universe – *approved*
3. Minor Revision to Existing Program (online voting)
  - None
4. Minor Revision to Existing Minor
  - Astrophysics - approved
5. New Course or Major Revision to Existing Course (online voting)
  - None
6. Course Deletion/Suspension/Reinstatement (online voting)
  - None
7. Program or Minor or Certificate Deletion/Reinstatement (online voting)
  - None

FACE-TO-FACE VOTING:

1. Experimental Course
  - None
2. Creation of a Minor or Certificate
  - None
3. Major Revision of a Minor or Certificate
  - None
4. Major Revision of an Existing Program
  - None
5. New Program Proposal
  - None
6. Face-to-Face Proposals pulled from Online Voting
  - None

Next Scheduled Meeting  
November 07, 2018



**COURSE**  
**Minor Revision to an Existing Course**  
**Undergraduate Curriculum Routing Form**  
 Revised January 2018

<b>Course</b> (as listed in current catalog)	ASTR 125 <i>Astronomical and Physics Methods to Explore the Universe.</i>
<b>Department</b> (as listed in current catalog)	Earth and Space Sciences
<b>College</b> (as listed in current catalog)	Science

**The proposal form language and formatting cannot be altered in any way. If the form has been altered, it will be returned to the initiator for revision.**

*Please note: it is the initiator's responsibility to track a proposal through the approval process.*

**Signatures (Signatures must be handwritten; electronic signatures are not accepted.)**

The Departmental Curriculum Committee Chair will review and complete the checklist on the next page to indicate their approval.

Departmental Curriculum Committee

*E. Sewell* (  ) Approved ( ) Disapproved *4/17/18*  
 Department Chair or Associate Dean (Sign and Print) Date

*DIRK GRUPE* (  ) Approved ( ) Disapproved *2018-May-08*  
 College Curriculum Committee (Sign and Print) Date

*Edy Mills* (  ) Approved ( ) Disapproved *5/9/2018*  
 Dean (Sign and Print) Date

*N/A* ( ) Approved ( ) Disapproved  
 Teacher Ed. Council (if the course is required in any secondary education program) (Sign and Print) Date

***Once the proposal has been approved through the above levels, the initiator will route the FINAL paper document to Howell McDowell 204 and submit the FINAL electronic WORD document to [undergraduate@moreheadstate.edu](mailto:undergraduate@moreheadstate.edu) (the two documents must be exactly the same).***

*Laurie Couch* (  ) Approved ( ) Disapproved *10-03-18*  
 Undergraduate Curriculum Committee (Sign and Print) Date

*BRAMA* (  ) Approved ( ) Disapproved *10-3-18*  
 Vice President for Academic Affairs (Sign and Print) Date

# **COVER SHEET**

***This sheet (including the Checklist) MUST accompany the paper hard copy of the proposal that is routed through the signature process.***

<b>Course:</b> (as listed in current catalog)	Astronomy 125 Astronomical and Physics Methods to Explore the Universe
<b>Department:</b> (as listed in current catalog)	Earth and Space Sciences
<b>College:</b> (as listed in current catalog)	Science

**The proposal form language and formatting cannot be altered in any way. If the form has been altered, it will be returned to the initiator for revision.**

***Please note: it is the initiator’s responsibility to track a proposal through the approval process.***

*The initiator will review the final document and complete the checkboxes on the left side of the page, sign and date the Cover Sheet, and submit the paper hard copy of the complete proposal to the Department Curriculum Committee Chair for their review.*

*The Department Curriculum Committee Chair will review the document and complete the checkboxes on the right side of the page, sign and date the Cover Sheet, and submit the paper hard copy of the complete proposal to the next level.*

<b>Initiator</b>	<b>Department Curriculum Committee Chair</b>	
<input type="checkbox"/>	The curriculum proposal form has not been altered (formatting, font, etc.).	<input type="checkbox"/>
<input type="checkbox"/>	Grammar, spelling, punctuation, sentence structure, etc. is accurate.	<input type="checkbox"/>
<input type="checkbox"/>	The course title, department, and college names correspond to the current catalog.	<input type="checkbox"/>
<input type="checkbox"/>	Course teaching workload, formula, and semesters taught are specified.	<input type="checkbox"/>
<input type="checkbox"/>	The impacted departments, programs, the individuals notified, and the method of notification are listed.	<input type="checkbox"/>
	Impact is defined as any program or department that requires the course, offers the course as an elective, offers a similar course, has an equated course, has the course listed as a co-requisite or pre-requisite, shares staff and/or resources.	
<input type="checkbox"/>	Responses are complete and applicable for each question.	<input type="checkbox"/>
<input type="checkbox"/>	The entire proposal is saved as one Word document.	<input type="checkbox"/>

***My signature verifies that I have reviewed the proposal and it is ready to go to the next level.***

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Originator (Sign and Print)

Approval Date

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Department Curriculum Committee Chair (Sign and Print)

Approval Date

# COURSE

## Minor Revision to an Existing Course

Use this outline to report a minor modification of a previously approved course and to equate a *current* course with a new course. Minor revisions include title, prefix, course number, catalog course description, and admission requirements (test scores, pre-requisites, or co-requisites). **Minor changes do not modify course content or the course formula.** If the course content or formula is to be modified, use the New Course or Major Revision to Existing Course Form. Terms offered should be consistent with the curriculum map.

<b>I. COURSE</b>						
<b>Current Course Name:</b> <small>(as listed in the current catalog)</small>	<b>Course prefix</b> <small>(Example: ENG)</small>	<b>Number</b> <small>(Example: 100)</small>	<b>Title (Example: Writing I)</b>	<b>Faculty Load</b>	<b>Formula</b> <small>(Example: 3-0-3)</small>	<b>Intended Terms Offered</b> <small>(Example: Fall/Spring)</small>
	ASTR	125	Astronomical and Physics Methods to Explore the Universe	3	3-0-3	Fall
<b>Proposed Course Name:</b>	<b>Course prefix</b> <small>(Example: ENG)</small>	<b>Number</b> <small>(Example: 100)</small>	<b>Title (Example: Writing I)</b>	<b>Faculty Load</b>	<b>Formula</b> <small>(Example: 3-0-3)</small>	<b>Intended Terms Offered</b> <small>(Example: Fall/Spring)</small>
	ASTR	125	Astronomical and Physics Methods to Explore the Universe	3	3-0-3	Fall

<b>II. EXPLANATION</b>
<p><b>A. Describe the change and justify what this proposal is requesting; what are you doing and why are you doing it? Content will be listed at the end of the document.</b></p> <p>We want to change the math requirements for this course. Currently our math requirements for this class are an ACT Math subscore of 22 or higher or MATH 152 or 141. This requirement does not seem to be sufficient to ensure proper advance preparation of students for the course material and to ensure student success in the class. To increase our student retention and success rate in this course, we seek to increase the math requirements for this class to an ACT sub score of 24 or equivalent, or a C or better in both MATH 141 and MATH 152, or a C or better in MATH 174 or MATH 175. No change will be made to the content of this class.</p>
<p><b>B. List all other departments and programs that could be impacted by this proposal. For example, any department or program that:</b></p> <ul style="list-style-type: none"> <li>a. requires the course</li> <li>b. offers the course as an elective</li> <li>c. offers a similar course</li> <li>d. has an equated course</li> <li>e. has the course listed as a co-requisite or pre-requisite</li> <li>f. shares staff and/or resources</li> </ul> <p>Mathematics &amp; Physics</p>
<p><b>C. Explain the potential impact on the other departments and programs.</b></p> <p>There maybe more students who want to take MATH 152 or 141</p>
<p><b>D. List each of the individuals in the other departments and programs notified by the proposing department and define the method of contact (e-mail, phone conversation, etc.)</b></p> <p>Dr. Duane Skaggs contacted by email</p>

### **III. ADDITIONAL INFORMATION**

**A. If this is a change that effects the current MSU Undergraduate Catalog content, please provide the copy that is to appear in the next catalog revision.**

(3-0-3) Prerequisites: Math ACT subscore of 24 or higher, or a C or better in both MATH 152 and 141, or a C or better in MATH 174 or MATH 175.

An introduction to the study of astronomical phenomena: motions of the sky, planetary systems, stars, structure and scale in the universe. Emphasis on physical and astronomical methods: Newtonian physics, celestial mechanics, emission and detection of electromagnetic radiation, space-based observatories, spectroscopy, interferometry, multi-wavelength investigations and introduction to computational methods. This course includes night sky observation sessions.

**Please insert (paste) any supporting documentation here. If you have no supporting information, please remove this section from your proposal.**



**MINOR or CERTIFICATE**  
**Revision of a Minor or Certificate**  
**Undergraduate Curriculum Routing Form**  
January 2018

<b>Minor or Certificate:</b> (as listed in current catalog)	Astrophysics Minor
<b>Department:</b> (as listed in current catalog)	Earth and Space Sciences
<b>College</b> (as listed in current catalog)	Science

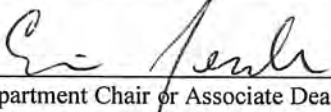
**The proposal form language and formatting cannot be altered in any way. If the form has been altered, it will be returned to the initiator for revision.**

*Please note: it is the initiator's responsibility to track a proposal through the approval process.*


**Signatures (Signatures must be handwritten; electronic signatures are not accepted.)**

The Departmental Curriculum Committee Chair will review and complete the checklist on the next page to indicate their approval.

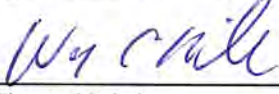
Departmental Curriculum Committee (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

 \_\_\_\_\_  Approved ( ) Disapproved \_\_\_\_\_ Date 4/17/18

Department Chair or Associate Dean (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

 \_\_\_\_\_  Approved ( ) Disapproved \_\_\_\_\_ Date 2018-May-08

College Curriculum Committee (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

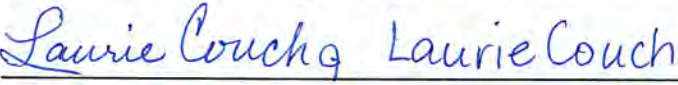
 \_\_\_\_\_  Approved ( ) Disapproved \_\_\_\_\_ Date 5/9/2018

Dean (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

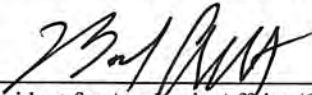
N/A \_\_\_\_\_ ( ) Approved ( ) Disapproved \_\_\_\_\_ Date \_\_\_\_\_

Teacher Ed. Council (if a secondary education program) (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

***Once the proposal has been approved through the above levels, the initiator will route the FINAL paper document to Howell McDowell 204 and submit the FINAL electronic WORD document to [undergraduate@moreheadstate.edu](mailto:undergraduate@moreheadstate.edu) (the two documents must be exactly the same).***

 \_\_\_\_\_  Approved ( ) Disapproved \_\_\_\_\_ Date 10-03-18

Undergraduate Curriculum Committee (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

 \_\_\_\_\_  Approved ( ) Disapproved \_\_\_\_\_ Date 10-31-18

Vice President for Academic Affairs (Sign and Print) \_\_\_\_\_ Date \_\_\_\_\_

# **COVER SHEET**

*This sheet (including the Checklist) MUST accompany the paper hard copy of the proposal that is routed through the signature process.*

<b>Program:</b> (as listed in current catalog)	Astrophysics Minor
<b>Department:</b> (as listed in current catalog)	Earth and Space Sciences
<b>College:</b> (as listed in current catalog)	Science

## **Helpful Information:**

### 1. Important Definitions Used in the Curriculum Process

- Minor = a set of discipline-specific courses of at least 21 hours
- Certificate = a series of courses related to a specific topic or skill with a prescribed number of hours. For additional information contact the Office of Academic Programs at 783-2003 or email [undergraduate@moreheadstate.edu](mailto:undergraduate@moreheadstate.edu).
  - More than 50% of certificate credit hours must be 300 level or above and students must have a major on file.
  - Certificate program must be completed in less than one academic year and must be completed in less than 30 credit hours.
  - Completion of a certificate does not replace a minor for program completion.
- Equated courses vs. cross-listed courses = equated courses are courses of identical content that have different prefixes (and are approved through the undergraduate curriculum process), whereas cross-listed courses have the same instructor and are offered at the same time/location.
- Pre-requisite = course(s) that a student must successfully complete prior to registering for a more advanced course.
- Co-requisite = course(s) that a student must take concurrently with another course.

2. Any proposal with a secondary education component must be routed through the Teacher Education Council.

3. The initiator is responsible for tracking a proposal through the approval process.

4. Edits to the proposal may be requested at any level of review. Such edits should be made by the originator of the proposal. The originator also may be asked to address questions (in writing or in person) at any level of review.

# CHECKLIST

The initiator will review the final document and complete the checkboxes on the left side of the page, sign and date the Cover Sheet, and submit the paper hard copy of the complete proposal to the Department Curriculum Committee Chair for their review.

The Department Curriculum Committee Chair will review the document and complete the checkboxes on the right side of the page, sign and date the Cover Sheet, and submit the paper hard copy of the complete proposal to the next level.

Initiator	Department Curriculum Committee Chair
<input type="checkbox"/> The curriculum proposal form has not been altered (formatting, font, etc.).	<input type="checkbox"/>
<input type="checkbox"/> Grammar, spelling, punctuation, sentence structure, etc. is accurate.	<input type="checkbox"/>
<input type="checkbox"/> The title, department, and college names correspond to the current catalog.	<input type="checkbox"/>
<input type="checkbox"/> If a Teacher Education Council signature is required, the next approval level will be notified so that it can be obtained.	<input type="checkbox"/>
<input type="checkbox"/> The impacted departments, programs, the individuals notified, and the method of notification are listed.	<input type="checkbox"/>
Impact is defined as any program or department that requires the course, offers the course as an elective, offers a similar course, has an equated course, has the course listed as a co-requisite or pre-requisite, shares staff and/or resources.	
<input type="checkbox"/> Responses are complete and applicable for each question.	<input type="checkbox"/>
<input type="checkbox"/> Each course pre-fix, number, and title is consistent with the current undergraduate catalog (or with revisions made in supporting curriculum proposals).	<input type="checkbox"/>
<input type="checkbox"/> Each course has been reviewed for pre-requisites, co-requisites or testing requirements. There are no hidden pre-requisites, co-requisites, or testing requirements.	<input type="checkbox"/>
<input type="checkbox"/> If the proposal is a certificate, more than 50% of the credit hours are 300 level or above.	<input type="checkbox"/>
<input type="checkbox"/> If the proposal is a certificate, the proposal includes language that students must have a major on file.	<input type="checkbox"/>
<input type="checkbox"/> If the proposal is a certificate, there is language that the program must be completed in less than one academic year.	<input type="checkbox"/>
<input type="checkbox"/> If the proposal is a certificate, it contains less than 30 credit hours.	<input type="checkbox"/>
<input type="checkbox"/> If the proposal is a certificate, there is language in the proposal to indicate that it does not replace a minor for program completion.	<input type="checkbox"/>
<input type="checkbox"/> The entire proposal is saved as one Word document.	<input type="checkbox"/>

***My signature verifies that I have reviewed the proposal and it is ready to go to the next level.***

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Originator (Sign and Print)

Approval Date

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Department Curriculum Committee Chair (Sign and Print)

Approval Date



# MINOR OR CERTIFICATE

## Revision of a Minor or Certificate Form

The outline below is to be used for the revision of a minor or certificate. Any new course included in this minor or certificate requires a separate "New Course or Major Revision to Existing Course" proposal. A new minor or certificate should use the "Creation of a Minor or Certificate" form.

**Revision of a Minor**

**Revision of a Certificate**

- More than 50% of certificate credit hours must be 300 level or above and students must have a major on file.
- Certificate program must be completed in less than one academic year and must be completed in less than 30 credit hours.
- Completion of a certificate does not replace a minor for program completion.

### ***I. MINOR OR CERTIFICATE REVISION INFORMATION***

**State the current title of the Minor or Certificate (as listed in the current catalog)**

Astrophysics Minor

**State the proposed revised title of the Minor or Certificate (if applicable)**

**CIP Code**

40.0299 Astronomy and Astrophysics

*Contact your department chair or associate dean to verify the correct CIP code information.*

### ***II. NEED AND JUSTIFICATION***

**A. Describe the change and justify what this proposal is requesting; what are you doing and why are you doing it? Content will be listed at the end of the document.**

We want to add our new course ASTR 403 "Astrophysical Instrumentations and Payload" to the list of Program electives. Note that an Astrophysics Minor can not be take by a Physics Area - Astrophysics Track student.

**B. Have admission requirements and/or limitations on enrollment changed?  Yes  No**  
If so, how?

**C. If a similar program exists at MSU or in Kentucky, list the program and provide justification for the duplication.**

Astronomy Minor programs currently exist in Kentucky at Western Kentucky University and Northern Kentucky University. However, the program at WKU focuses more on Geology than Astronomy and the Program at NKU serves a different student body. Our Astrophysics Minor focuses on the physics aspect of Astronomy. It also serves primarily Space Science Engineering students in our department. Our minor program is unique by offering students the opportunity to learn about astronomical phenomena from radio to high energy astrophysics. Our program is also unique by offering the broadest range of astrophysics lectures available in Kentucky.

### ***III. GOALS AND OBJECTIVES***

**A. Has the purpose of the program changed?  Yes  No**  
If so, how?

**B. What are the goals and objectives of this proposal?**

To allow the students also to take ASTR 403 "Astrophysical Instrumentations and Payloads" as a Program elective.

**C. State the revised program outcomes or competencies to be achieved by students.**

The only change to the program is to add another course to the electives which will give the students more choices and will increase the competency in astrophysical instrumentations.

**D. How do the specific goals and objectives relate to the mission statement of the University?**

The changes will enhance the quality of the Astrophysics Minor and improve the scientific proficiency of students in the service region. An objective of this minor is to have our students serve as co-authors of a scientific paper in a major peer-reviewed research journal like the Astrophysical Journal, and/or have them present a poster or give talks at least at a regional meeting, e.g. the Kentucky Academy of Science meeting in November, or and international meeting like the

American Astronomical Society meeting.

**E. List the methods of program assessment to be used, other than course grades, to ensure that the desired outcomes or competencies are attained by students. Indicate the frequency of assessment and how results will be made available to program faculty.**

Our goal is to engage students in astrophysical research. An objective will be to have our students serve as co-authors of a scientific paper in a major peer-reviewed journal and/or have them present a poster or give a talk at least at a regional meeting, e.g. Kentucky Academy of Science meeting in November each year, or an international meeting like the AAS meeting.

**IV. IMPACT**

**A. How will the program changes affect transfer students?**

Transfer students will not be affected.

**B. List all departments and programs that could be impacted by this proposal. For example, any department that:**

- a. offers required courses for this minor or certificate
- b. offers elective courses for this minor or certificate
- c. offers similar courses contained in this minor or certificate
- d. has an equated course
- e. has courses in this proposal listed as a co-requisite or pre-requisite
- f. shares staff and/or resources

Department of Mathematics & Physics

**C. Explain the potential impact on the other departments and programs.**

Dr. Chris Schoeder contacted by email.

**D. List each of the individuals in the other departments and programs notified by the proposing department chair and define the method of contact (e-mail, phone conversation, etc.).**

**E. Will this change impact personnel resources?  Yes  No If so, how?**

**V. ADDITIONAL INFORMATION**

**A. Please list enrollment and number of students completing the minor/certificate for the past four years.**

The Astrophysics Minor is a new program that will officially be available in Fall 2018. Therefore no data exist at this point to support this question

**A. Anticipated enrollment and number of graduates from this program for the next four years.**

2018: 6/5 (old astronomy minor, will be changed to the new Astrophysics Minor)

2019: 6/5

2020: 6/5

2021: 6/5

**B. Explain and include a cost for any additional or remodeled facilities that will be required as a result of the change.**

none

**C. List and provide a cost for any additional equipment required.**

none

**D. State the desired implementation date for the minor or certificate.**

Fall 2019

**VI. PROPOSED PROGRAM REQUIREMENTS**

Please use the template below to list all Program courses. To create additional lines, tab while cursor is in the last "Course Hours" field.

Example of different types of entries. Not all programs, minors or certificates will have each type of entry.

Course Prefix (Example: ENG)	Number (Example: 100)	Course Name	Course Hours
MSU	300	Upper level course	3
MSU	400	Variable hour course	1-3
		Free Electives	9

**List each specific course required in the minor or certificate. To create additional lines, tab while the cursor is in the last "Course Hours" field.**

Course Prefix (Example: ENG)	Number (Example: 100)	Course Name	Course Hours
ASTR	125	<b>Astronomical and Physical Methods to Explore the Universe</b>	3
ASTR	130	<b>Stars, Galaxies, and Cosmology</b>	3
ASTR	311	<b>Astrophysics I: Stars and Stellar Evolution</b>	3
ASTR	312	<b>Astrophysics II: Galaxies and Cosmology</b>	3
PHYS	231	<b>Engineering Physics I</b>	4
PHYS	231 A	<b>Engineering Physics I Laboratory</b>	1
PHYS	232	<b>Engineering Physics II</b>	4
PHYS	232 A	<b>Engineering Physics II Laboratory</b>	1
		Program Electives (Choose one of the following):	
ESS	303	<b>Planetary Geology</b>	3
ASTR	324	<b>Radio Astronomy</b>	3
ASTR	403	<b>Astrophysical Instrumentations and Payloads</b>	3
ASTR	431	<b>Plasma Physics</b>	3
ASTR	460	<b>High Energy Astrophysics</b>	3
ASTR	399	<b>Special Topics in Astronomy</b>	3
PHYS	399	<b>Special Topics in Physics</b>	3
PHYS	350	<b>Nuclear Physics</b>	4
PHYS	412	<b>Light and Physical Optics</b>	3

Total Minor or Certificate Hours	25-26
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**From:** Dirk Grupe  
**To:** Sharri Lynn Jones  
**Subject:** Fwd: Astrophysics Minor  
**Date:** Thursday, September 6, 2018 2:18:29 PM  
**Attachments:** [ASTR\\_Minor\\_minor\\_Revision\\_20180906.docx](#)

Hi Sharri

Here is Chris Schroeder's response regarding the Astro Minor. I am attaching also the new version to this email which has a sentence in there stating that you can not do a minor when you are already an astrophysics student and I too out the remark in the map at the end that you have to take an extra gen ed class. Hope that will work.

All the best  
Dirk

Dr. Dirk\_Grupe  
Space Science Center  
Morehead State University  
235 Martindale Dr.  
Morehead, KY 40351, USA  
[d.grupe@moreheadstate.edu](mailto:d.grupe@moreheadstate.edu)

Begin forwarded message:

**From:** Christopher Schroeder <[c.schroeder@moreheadstate.edu](mailto:c.schroeder@moreheadstate.edu)>  
**Subject: Re: Astrophysics Minor**  
**Date:** 2018September 6, at 12:11:31 GMT-4  
**To:** Dirk\_Grupe <[d.grupe@moreheadstate.edu](mailto:d.grupe@moreheadstate.edu)>

Hi Dirk,  
Thanks for letting me know. That all sounds good to me. Let me know if I can be of any further assistance.

Best,  
Chris

Christopher Schroeder  
Chair, Department of Mathematics and Physics  
105A Lappin Hall  
Morehead State University  
606-783-2938  
[www.moreheadstate.edu/maph](http://www.moreheadstate.edu/maph)

On Thu, Sep 6, 2018 at 11:21 AM Dirk\_Grupe <[d.grupe@moreheadstate.edu](mailto:d.grupe@moreheadstate.edu)> wrote:

Hi Chris

I am just coming back from Laurie Couch's office. Last year I had put in a proposal for an Astrophysics Minor which was an improvement to the Astronomy Minor, which is gone by now. This new minor was finally approved last year. Anyway, because I will have a new course now ASTR 403 Astrophysics Instruments and Payload, which I am going to teach in Spring, I wanted to add this to the electives of that Minor. Well, turns out that Laurie discovered that there is a loop hole for Physics Tea - Astrophysics Track

students in that they could theoretically get the minor for free, which isn't the idea. Well, no student will do that, but to close the loophole I had to put in a sentence into that proposal that states that they can not do this. Because the Astro students are also your students, I have to inform you about this and ask you if this change will be o.k. with you. Just shoot me an email and I can forward that to Sharri.

Thanks a lot in advance!

All the best

Dirk

Dr. Dirk\_Grupe  
Space Science Center  
Morehead State University  
235 Martindale Dr.  
Morehead, KY 40351, USA  
[d.grupe@moreheadstate.edu](mailto:d.grupe@moreheadstate.edu)