



**SOUTH DAKOTA BOARD OF REGENTS**  
**ACADEMIC AFFAIRS FORMS**  
 Revised Course Request: Common Course  
*(Substantive Modifications)*

<u>USD</u>	<u>Vernon McBride</u>	<u>Michael Kruger</u>	<u>12/21/2020</u>
<b>Institution</b>	<b>Form Initiator</b>	<b>Dean's Approval Signature</b>	<b>Date</b>

<u>USD</u>	<u>Arts &amp; Sciences/Physics</u>	<u>Elizabeth M. Freeburg</u>	<u>1/28/2021</u>
<b>Institution</b>	<b>Division/Department</b>	<b>Institutional Approval Signature</b>	<b>Date</b>

<u>See Attached</u>	<u>See attached</u>	<u> </u>	<u> </u>
<b>Institution</b>	<b>Division/Department</b>	<b>Institutional Approval Signature</b>	<b>Date</b>

Indicate universities that currently offer the common course:

BHSU     DSU     NSU     SDSMT     SDSU     USD

**Section 1. Existing Course Title and Description**

Prefix & No.	Course Title	Credits
PHYS 785	Astrophysics and Cosmology	3

Course Description
This course introduces the broad base of fundamental topics in astrophysics and cosmology. Topics include observational properties of stars; stellar physics; stellar atmospheres; distance scales; galactic structures; interstellar medium, normal and peculiar galaxies and high energy astrophysics, cosmological observations and Friedmann models; the early universe at different epochs; the origin of dark matter and formation of galaxies and large-scale structure.

**Section 2. Modification(s) Requested**

2.1. This modification will include (place an "X" in the box for all that apply):

	<u>Current</u>		<u>New</u>
<input checked="" type="checkbox"/> Pre-Requisites	<u>PHYS 771</u>	to	<u>NONE</u>

2.2. Add justification for all changes noted above:

Remove common prerequisite per collaboration with SDSMT permission. (See attached emails.) This prerequisite has been waived the past couple times that the course was offered.
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**Section 3. Other Course Information**

Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course database?

Yes                       No

**Section 4. Department and Course Codes (Completed by University Academic Affairs)**

	<u>Current</u>		<u>New</u>
<input type="checkbox"/> Change in University Department Code	<u>UPHY</u>	to	<u>                    </u>
<input type="checkbox"/> Change in Banner Department Code	<u>UPHY</u>	to	<u>                    </u>
<input type="checkbox"/> Change in <u>CIP Code</u>	<u>400801</u>	to	<u>                    </u>

**Bai, Xinhua via coyotesusd.onmicrosoft.com**

3:37 PM (5 minutes ago)

to Joel, Frank, Vladimir

Hi Joel,

We discussed the prerequisite for PHYS-785 at our staff meeting. We are conformable with removing the PHYS-771 prerequisite for PHYS-785.

Dr. Sobolev, I also saw PHYS-771 is listed as the prerequisite for PHYS-785 in Mines 2021 catalog. This means we also need to file a minor change to the curriculum committee. Could you please also include this one on your change list?

Best regards,

Bai

[xinhua.bai@sdsmt.edu](mailto:xinhua.bai@sdsmt.edu)

**From:** Raynie, Douglas <Douglas.Raynie@SDSTATE.EDU>  
**Sent:** Tuesday, February 23, 2021 8:18 AM  
**To:** Hoffelt, Janell <janell.hoffelt@sdstate.edu>; Leitru, Tammy R <Tammy.Leitru@usd.edu>  
**Subject:** Re: PHYS 785 remove prerequisite

We approve of this prerequisite change.

Doug

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**From:** Hoffelt, Janell <[janell.hoffelt@sdstate.edu](mailto:janell.hoffelt@sdstate.edu)>  
**Sent:** Tuesday, February 23, 2021 8:10 AM  
**To:** Leitru, Tammy R <[tammy.leitru@usd.edu](mailto:tammy.leitru@usd.edu)>; Raynie, Douglas <[Douglas.Raynie@SDSTATE.EDU](mailto:Douglas.Raynie@SDSTATE.EDU)>  
**Subject:** RE: PHYS 785 remove prerequisite

Tammy,

I am passing this along to Dr. Raynie, Department Head of Physics, to provide you with input on the prerequisite change.

**From:** Leitru, Tammy R <[Tammy.Leitru@usd.edu](mailto:Tammy.Leitru@usd.edu)>  
**Sent:** Monday, February 22, 2021 6:12 PM  
**To:** Hoffelt, Janell <[janell.hoffelt@sdstate.edu](mailto:janell.hoffelt@sdstate.edu)>  
**Subject:** PHYS 785 remove prerequisite  
**Importance:** High

Good evening Janell,

USD faculty stated that SDSU does not have a graduate program in Physics or department so they had not reached out to SDSU but asked if I could assist. This is a request to remove the prerequisite for PHYS 785 on a Revised Common Course form. Is SDSU ok with this?

**Tammy Leitru**

Curriculum Coordinator

Office of the Provost and Vice President for Academic Affairs

University of South Dakota | USD Slagle Hall 103

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