

# Physics 510: Physics and Astronomy Colloquium

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Instructor: Dr. Cecille Labuda  
Class time/location: T 04:00 – 05:00, Lewis 101  
Office hours: MW 08:30 – 09:30, T 2-2:45, M 3:30 – 4:00  
208 Lewis Hall; by appointment at NCPA

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Syllabus version 1: 12/07/2018

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## Description

Talks by invited speakers about current research topics in physics and related fields. Required for all physics graduate students.

## Prerequisites

Junior standing (60 credit hours).

## Course Objectives

This course is primarily to inform physics graduate students about current topics in the field. The goals of this course are to:

- Teach students about current topics in physics and related fields
- Promote an understanding of the elements of a good talk so that students can use this knowledge to improve their own talks.
- Help new graduate students to determine their research area of interest.

## Grading Scale

- Z
- F

## Evaluation of Course Grade

### Attendance

Attendance is **required**. More than 3 absences at scheduled class meetings will result in an F.

### Surveys and summaries

For each talk, students must complete an online survey form. If a student neglects to complete more than 3 forms, the student will receive an incomplete (I grade) until the forms have been completed.

Students may not complete forms for colloquia for which they were absent.

## Policies

### Academic Integrity

Every student of the University of Mississippi, by virtue of choosing to be part of the university community agrees to abide by the University of Mississippi Creed and the UM Academic Integrity

Policy which covers academic integrity. Cheating on any assignment will result in a zero grade on the given assignment. A second case of cheating will result in an F for the entire course. Consult the M-Book, Academic Integrity document for details on university policy and the academic creed.

### Attendance

Please see the Evaluation of Course Grade section for the attendance policy.

### *UM Creed*

The University of Mississippi is a community of learning dedicated to nurturing excellence in intellectual inquiry and personal character in an open and diverse environment. As a voluntary member of this community:

- I believe in respect for the dignity of each person
- I believe in fairness and civility
- I believe in personal and professional integrity
- I believe in academic honesty
- I believe in academic freedom
- I believe in good stewardship of our resources
- I pledge to uphold these values and encourage others to follow my example

**Colloquium Schedule: The current scheduled colloquia are listed below. Please check the schedule online for updates. Colloquium abstracts, additional colloquia and other changes will be noted in the online schedule when they become available.**

<b>Week</b>	<b>Date</b>	<b>Speaker</b>	<b>Research area</b>
01	01/22	No speaker; brief meeting in 101	N/A
02	01/29	<b>Thomas Werfel</b> <i>Asst Prof Chemical Engineering</i> University of Mississippi	Biomedical Engineering
03	02/05	<b>Kyle Parfrey</b> <i>Senior Fellow, NASA Postdoctoral Program</i> NASA Goddard Space Flight Center	Gravity
	02/07	<b>Shaon Ghosh</b> <i>Postdoctoral Research Associate</i> University of Wisconsin Milwaukee	Gravity
04	02/12	<b>Stephen Taylor</b> <i>NANOGrav PFC Senior Postdoctoral Fellow and Caltech Senior Postdoctoral Scholar</i> California Institute of Technology	Gravity
	02/14	<b>David Nichols</b> <i>Senior Postdoctoral Researcher</i> University of Amsterdam	Gravity
05	02/19	<b>Sarah Vigeland</b> <i>NSF Physics Frontier Center Postdoctoral Fellow</i> University of Wisconsin Milwaukee	Gravity
	02/21	<b>Anuradha Gupta</b> <i>Institute for Gravitation and Cosmos Postdoctoral Fellow</i> Pennsylvania State University	Gravity
06	02/25		
07	03/04		
08	03/11	SPRING BREAK; no colloquium	
09	03/18		
10	03/25		
11	04/04	<b>Jason Fry</b>	High energy physics
12	04/08		
13	04/15		
14	04/22		
15	04/30		