

Physics 461: Senior Seminar

Instructor: Dr. Cecille Labuda
Class time/location: T 04:00 – 05:00, Lewis 101
Office hours: T 02:00 – 02:45 and by appointment, on
[Zoom](#): Meeting ID: 956 6327 6776 Passcode: 495699

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Syllabus version 1: 08/23/2021

Description

This course is a series of colloquium talks about current research topics in physics and related fields. BA Physics majors must take 2 credits of Physics 461 or Physics 463 in order to graduate.

Prerequisites

Graduate status or junior standing (60 credit hours).

Course Objectives

This course is to introduce undergraduate students to current research in physics. The goals of this course are to:

- Familiarize 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 physics undergrads who are interested in graduate school to determine research areas they may be interested in.

Grading Scale

- Z
- F

Evaluation of Course Grade

- Grading is primarily based on attendance. Attendance is **required**. More than 3 absences at scheduled class meetings will result in an F.
- After each talk, students should complete the form at the link that will be sent by email.
- Students must choose one talk that they find most interesting and write a 2-page report on either the specific research the talk was about or about the general field the talk was about. For example, if a speaker gives a talk about black hole collisions and gravitational waves, student may write a report about the particular research of the speaker, or gravitational waves in general or black holes in general and so on. The report topic must be approved by the

instructor. Students must also give a 15-minute talk based on the report.

- The colloquium schedule will be posted at [Ole Miss Physics - Seminars and Colloquia](#)

Policies

Attendance

Students should not be occupied on phones, laptops, working on homework, etcetera, during talks.

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.

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