



NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

Spring 2022 Course Syllabus

College of Science & Technology

Department of Physics

NOTE: Students are responsible for reading, understanding and following the syllabus.

Graduate Course Information

Course Name: Graduate Seminar

Course Number/Section: PHYS 789

Credit Hours: 1

Days and Times: 3:00 – 3:50 W

Class Location: 307 Gibbs Hall

Instructor Contact Information

Instructor: Dr. Yuh-Lang Lin

Office Location: Gibbs 302H

Email Address: ylin@ncat.edu

Office Phone: 336-285-2127

Communication

Students will receive an answer to all communications by email within 48 hours excluding holidays. The secondary point of contact will be Justin Riley. See below for his email address. The secondary point of contact is Ms. Connie L Mayberry clmayberry@ncat.edu, Executive Assistant for the AST Ph.D. Program.

Student Hours

Email anytime; Make an appointment for long discussions

Course Prerequisites

Graduate-level knowledge of the topics related to atmospheric, environmental and energy science issues and research.

Course Description

This course includes presentations delivered by the M.S. graduate students, faculty, and invited speakers on topics related to energy and environmental issues and research. Grading is satisfactory/unsatisfactory evaluation only. May be repeated.

Student Learning Objectives/Outcomes (SLO)

Objective: Use analytical thinking skills to evaluate information critically

Outcome: Students will demonstrate the ability to answer conceptual questions raised during their presentations.

Objective: Effectively relate basic ideas and concepts to more sophisticated atmospheric systems in tropics.

Outcome: Students will demonstrate the ability to summarize their research and present it to the class effectively and participate in discussions.

Required Textbooks and Materials

Required Texts: N/A

Required Materials: N/A

Suggested Course Materials

Suggested Readings/Texts: *When the scientist presents: an audio and video guide to science talks* by Jean-Luc. Lebrun. Access the [e-book](#) in Bluford Library.

Suggested Materials: N/A

Grading Policy

Course Grade Scale *[Graduate Level Courses]*

70% and above	Satisfactory	Below 69%	Unsatisfactory
---------------	--------------	-----------	----------------

Grading Allocation

Course grades are based on a weighted grading scale of 100%. The breakdown for the course is as follows:

- Attendance and participation in discussions 15%
 - Weather Briefing 15%
 - Presentations 40%
 - Report (based on presentation ppt file) 30%
- (Presentation ppt file has to be submitted within a week after presentation)

Course Policies

Use Of Blackboard as The Learning Management System

Mesolab and email are the primary communication platforms. Students can access the course syllabus, assignments, grades, and learner support resources on the Blackboard. Lecture notes will be posted on the [MesoLab](#) website. Students are encouraged to protect their login credentials, complete a Blackboard orientation and log in daily to the course.

For GRADUATE STUDENTS: STUDENT RELIGIOUS OBSERVANCE (see 2021-2022 Graduate Catalog, p.57)

Make-Up Exams N/A

Extra Credit N/A

Late Work N/A

Special Assignments N/A

Class Schedule [\[Click here for a complete calendar\]](#)

Presentation Table for PHYS789, AST992-6, & ASME492

Date	Week	Presentation Title	Presenters
1/12	1	Introduction	Dr. Lin (AST992-6, PHYS789) Dr. Zhang (ASME492)
1/19	2	Weather Briefing Seminar Presentation	To be arranged (TBA)
1/26	3	Weather Briefing Seminar Presentation	
2/2	4	Weather Briefing Seminar Presentation	
2/9	5	Weather briefing Seminar presentations	
2/16	6	Weather briefing Seminar presentations	
2/23	7	Weather briefing Seminar presentations	
3/2	8	Weather briefing Seminar presentations	
3/7-11		Spring Break	
3/16	9	Weather briefing Seminar presentations	
3/23	10	Weather briefing Seminar presentations	
3/30	11	Weather briefing Seminar presentations	
4/6	12	Weather briefing Seminar presentations	
4/13	13	Weather briefing Seminar presentations	
4/20	14	Weather briefing Seminar presentations	
4/27	15	Weather briefing Seminar presentations	
5/4	16	Weather briefing Seminar presentations	
5/9-13		Final Exam Week	

** These descriptions and timelines are subject to change at the discretion of the instructor.*

[Please refer to the Common Policies file for all other University policies.](#)