



COURSE SYLLABUS

College Name: College of Science & Technology (CoST)

Department Name: Applied Science & Technology (AST) Ph.D. Program

Course Name: AST Doctoral Seminar

COURSE INFORMATION

- Course Number/Section: PHYS 789-001
- Term: Fall 2021
- Semester Credit Hours: 1
- Times and Days: 3:00-3:50PM W
- Class Location: Gibbs 307

INSTRUCTOR CONTACT INFORMATION

- Instructor: Dr. Yuh-Lang Lin
- Office Location: 302H Gibbs Hall
- Office Phone: 336-285-2127 (O)
- Email Address: ylin@ncat.edu

STUDENT HOURS

Email anytime; Make 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 doctoral 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: NA

REQUIRED MATERIALS: NA

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: NA

GRADING POLICY

ASSIGNMENTS AND GRADING POLICY

80% and above	Satisfactory	79% - 00%	Unsatisfactory
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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 AND MESOLAB.ORG WEBSITE AS THE LEARNING MANAGEMENT SYSTEM

Blackboard and the mesolab.org website are the primary online instructional and course communications platform. Students can access the course syllabus, assignments, grades, and learner support resources. Students are encouraged to protect their login credentials, complete a Blackboard orientation and log in daily to course.

MAKE-UP EXAMS

NA

EXTRA CREDIT

NA

LATE WORK

NA

SPECIAL ASSIGNMENTS

NA

Students are expected to attend class and participate on a regular basis in order to successfully achieve course learning outcomes and meet federal financial aid requirements ([34 CFR 668.22](#)). Class attendance in online courses is defined as active participation in academically-related course activities. Active participation may consist of course interactions with the content, classmates, and/or the instructor. Examples of academically-related course activities include, but are not limited to:

- Completing and submitting assignments, quizzes, exams, and other activities within Blackboard or through Blackboard (3rd-party products).
- Participating in course-related synchronous online chats, discussions, or meeting platforms such as Blackboard Collaborate in which participation is tracked.

CLASSROOM CITIZENSHIP

Courtesy, civility and respect must be the hallmark of your interactions.

COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT

North Carolina A&T State University is committed to following the requirements of the Americans with Disabilities Act Amendments Act (ADAAA) and Section 504 of the Rehabilitation Act. If you need an academic accommodation based on the impact of a disability, you must initiate the request with the Office of Accessibility Resources (OARS) and provide documentation in accordance with the Documentation Guidelines at N.C. A&T. Once documentation is received, it will be reviewed. Once approved, you must attend a comprehensive meeting to receive appropriate and reasonable accommodations. If you are a student registered with OARS, you must complete the Accommodation Request Form to have accommodations sent to faculty.

OARS is located in Murphy Hall, Suite 01. We can be reached at 336-334-7765, or by email at accessibilityresources@ncat.edu. Additional information and forms can be found on the web at <https://www.ncat.edu/provost/academic-affairs/accessibility-resources/index.php>.

Please note: Accommodations are not retroactive and begin once the Disability Verification Form is provided to faculty.

TITLE IX

North Carolina A&T State University is committed to providing a safe learning environment for all students—free of all forms of discrimination and harassment. Sexual misconduct and relationship violence in any form are inconsistent with the university’s mission and core values, violate university policies, and may also violate federal and state law. Faculty members are considered “Responsible Employees” and are required to report incidents of sexual misconduct and relationship violence to the Title IX Coordinator. If you or someone you know has been impacted by sexual harassment, sexual assault, dating or domestic violence, or stalking, please visit the Title IX website to access information about university support and resources. If you would like to speak with someone confidentially, please contact the Counseling Services 336-334-7727 or the Student Health Center 336-334-7880.

TECHNICAL SUPPORT

If you experience any problems with your A&T account, you may call Client Technology Services (formerly Aggie Tech Support and Help Desk) at 336-334-7195, or visit <https://hub.ncat.edu/administration/its/dept/ats/index.php>.

FIELD TRIP POLICIES / OFF-CAMPUS INSTRUCTION AND COURSE ACTIVITIES

If applicable:

Off-campus, out-of-state and foreign instruction and activities are subject to state law and university policies and procedures regarding travel and risk-related activities. Information regarding these rules and regulations may be found at <https://www.ncat.edu/campus-life/student-affairs/index.php>.

STUDENT HANDBOOK

<https://www.ncat.edu/campus-life/student-affairs/departments/dean-of-students/student-handbook.php>

STUDENT TRAVEL PROCEDURES AND STUDENT TRAVEL ACTIVITY WAIVER

https://hub.ncat.edu/administration/student-affairs/staff-resources/studen_activity_travel_waiver.pdf

OTHER POLICIES (e.g., Copyright Guidelines, Confidentiality, etc.)

STUDENT HANDBOOK

<https://www.ncat.edu/campus-life/student-affairs/departments/dean-of-students/student-handbook.php>

[Graduate Catalog](#)

SEXUAL MISCONDUCT POLICY

<https://www.ncat.edu/legal/title-ix/sexual-harassment-and-misconduct-policies/index.php>

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

<https://www.ncat.edu/registrar/ferpa.php>

STUDENT COMPLAINT PROCEDURES

<https://www.ncat.edu/current-students/student-complaint-form.php>

STUDENT CONDUCT AND DISCIPLINE

North Carolina A&T State University has rules and regulations that govern student conduct and discipline meant to ensure the orderly and efficient conduct of the educational enterprise. It is the responsibility of each student to be knowledgeable about these rules and regulations.

Please consult the following about specific policies such as academic dishonesty, cell phones, change of grade, disability services, disruptive behavior, general class attendance, grade appeal, incomplete grades, make up work, student grievance procedures, withdrawal, etc.:

- Undergraduate Bulletin
<https://www.ncat.edu/provost/academic-affairs/bulletins/index.php>
- Graduate Catalog
<https://www.ncat.edu/tgc/graduate-catalog/index.php>
- Student Handbook
<https://www.ncat.edu/campus-life/student-affairs/departments/dean-of-students/student-handbook.php>

ACADEMIC DISHONESTY POLICY

Academic dishonesty includes but is not limited to the following:

1. Cheating or knowingly assisting another student in committing an act of cheating or other academic dishonesty;
2. Plagiarism (unauthorized use of another's words or ideas as one's own), which includes but is not limited to submitting exams, theses, reports, drawings, laboratory notes or other materials as one's own work when such work has been prepared by or copied from another person;
3. Unauthorized possession of exams or reserved library materials; destroying or hiding source, library or laboratory materials or experiments or any other similar actions;
4. Unauthorized changing of grades, or marking on an exam or in an instructor's grade book or such change of any grade record;
5. Aiding or abetting in the infraction of any of the provisions anticipated under the general standards of student conduct;
6. Hacking into a computer and gaining access to a test or answer key prior to the test being given. A&T reserves the right to search the emails and computers of any student suspected of such computer hacking if a police report of the suspected hacking was submitted prior to the search; and
7. Assisting another student in violating any of the above rules.

A student who has committed an act of academic dishonesty has failed to meet a basic requirement of satisfactory academic performance. Thus, academic dishonesty is not only a basis for disciplinary action but may also affect the evaluation of a student's level of performance. Any student who commits an act of academic dishonesty is subject to disciplinary action.

In instances where a student has clearly been identified as having committed an act of academic dishonesty, an instructor may take appropriate disciplinary action, including a loss of credit for an assignment, exam or project; or awarding a grade of "F" for the course, **subject to review and endorsement by the chairperson and dean.**

ASSIGNMENTS AND ACADEMIC CALENDAR

ASME 492, PHYS 789, & AST 992-06 Presentation Table

Date	Week	Presentation Title	Presenters
8/18	1	Introduction	Dr. Zhang (ASME 492) Dr. Lin (AST 992-6, PHYS 789)
8/25	2	Weather Briefing	
		Faculty Presentation	
9/1	3	Weather Briefing	
		Seminar Presentation	
9/8	4	Weather Briefing	
		Seminar Presentation	
9/15	5	Weather Briefing	
		Seminar Presentation	
9/22	6	Weather briefing	
		Seminar presentations	
9/29	7	Weather briefing	
		Seminar presentations	
10/6	8	Weather briefing	
		Seminar presentations	
10/13	9	Weather briefing	
		Seminar presentations	
10/20	10	Weather briefing	
		Seminar presentations	
10/27	11	Weather briefing	
		Seminar presentations	
11/3	12	Weather briefing	
		Seminar presentations	
11/10	13	Weather briefing	
		Seminar presentations	
11/17	14	Weather briefing	
		Seminar presentations	
11/24-26		Thanksgiving Holiday	
12/1	15	Weather briefing	
		Seminar Presentation	
12/7-11		Final Exam Week	

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