



NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

Course Syllabus

Course Information

<i>Course Number/Section</i>	ASME 492
<i>Course Title</i>	ASME Seminar
<i>Term</i>	Spring 2019
<i>Days & Times</i>	3:00 – 3:50 W 307 Gibbs Hall

Professor Contact Information

<i>Professor</i>	Dr. Jing Zhang
<i>Office Phone</i>	(336) 285-2337
<i>Email Address</i>	jzhang1@ncat.edu
<i>Office Location</i>	302G Gibbs Hall
<i>Office Hours</i>	9:30-2:30 WF

Course Pre-requisites, Co-requisites, and/or Other Restrictions

Fundamental Meteorology, Atmospheric Thermodynamics, Atmospheric Dynamics I, or equivalent.

Course Description

This course focuses on analysis and modeling of weather and climate systems including but not limit to hurricanes, tropical meteorology and climatology, synoptic weather and climate, severe storms. Students are required to pursue research on a subtopic and make presentations of the results. In order to facilitate the scientific research and discussions, PIs and collaborators who are working on similar studies are welcome to attend and participate in the class.

Student Learning Objectives/Outcomes

- 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
None

Assignments & Academic Calendar

Topics, Reading Assignments, Due Dates, Exam Dates

Presentation Schedule for ASME 492

No extra credit

Late Work

Late submission of homework and projects must be within a reasonable period of time permitted by the instructor.

Special Assignments

Not applicable

Class Attendance

College requires students to be on time for class and to attend class on a regular basis. If the student has unexcused absences, make-up test won't be allowed and the student's grade may be lowered.

Excused absences will comply with the following university policy on make up work: Sickness (verification needed); death of relative (immediate family); participation in an approved university related activity; acting in the capacity of a university representative (band, choir, sports, related travel, etc.); extraordinary circumstances including court appearances, family emergency at the discretion of the instructor, etc. require a signed statement.

NOTE: "Other reasons for class absences are not acceptable."

Classroom Citizenship

Normal classroom decorum is expected.

Technical Support

If you experience any problems with your A&T account you may call Aggie Tech Support (formerly Help Desk) at 336.334.7195.

Field Trip Policies / Off-Campus Instruction and Course Activities

Student Affairs website: <<https://www.ncat.edu/student-affairs>>

Student Handbook and Travel: <<https://www.ncat.edu/student-affairs/student-resources/index.html>>

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 the website address < <https://www.ncat.edu/student-affairs/student-resources/index.html>>.

Additional information is available from the office of Student Affairs, please check the website at <<https://www.ncat.edu/student-affairs>>.

Compliance with the Americans with Disabilities Act

North Carolina A&T State University is committed to complying with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 by providing equal access to the programs, services and benefits to qualified students with disabilities. All reasonable efforts will be made to accommodate the needs of students with documented disabilities. If you have a disability that requires an accommodation during the semester, please REGISTER with the Disability Support Services prior to the start of classes or within the first two weeks of classes. Please note that accommodations and modifications cannot be performed retroactively!

Other Policies (e.g., copyright guidelines, confidentiality, etc.)

Student Handbook: <<https://www.ncat.edu/student-affairs/student-services/dean/assets/downloads/student-handbook.pdf>>

Student Conduct & 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 student bulletin:

<<https://www.ncat.edu/divisions/academic-affairs/bulletin/2018-2019/index.html>>

and handbook <<https://www.ncat.edu/student-affairs/student-services/dean/assets/downloads/Student-Handbook.pdf>>

for detailed information 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.

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