



North Carolina Agricultural and Technical State University

College of Science & Technology

Applied Science & Technology PhD Program

## Doctoral Seminar

### Course Syllabus

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#### Course Information

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|-------------------------------|----------------------|
| <i>Course Number/Section:</i> | <i>AST 992-2</i>     |
| <i>Term:</i>                  | <i>Spring 2020</i>   |
| <i>Semester Credit Hours:</i> | <i>3</i>             |
| <i>Times and Days:</i>        | <i>3:00 – 3:50 W</i> |
| <i>Class Location:</i>        | <i>Gibbs 307</i>     |

#### Instructor Contact Information

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|------------------------|--|
| <i>Instructor</i>      | <i>Dr. Yuh-Lang Lin</i>                          |
| <i>Office Location</i> | <i>302H Gibbs Hall</i>                           |
| <i>Office Phone</i>    | <i>336-285-2127</i>                              |
| <i>Email Address</i>   | <a href="mailto:ylin@ncat.edu">ylin@ncat.edu</a> |

**Student Hours:** Just stop by my office (Gibbs 302H) or make appointment

**Note:** Students are responsible for reading, understanding, and following their syllabi.

**Course Pre-requisites:** No prerequisites

#### Course Description

This course focuses on observational data analysis, theoretical understanding (dynamics) or numerical modeling of hurricanes, tropical meteorology, climatology, midlatitude cyclones, storms, and weather systems, and severe local storms affecting the US continent, and other weather phenomena. Students are required to pursue research on a subtopic and make presentations of the results, and prepared to answer questions raised by the class students and the instructor. The power point presentation file should be submitted to the instructor after the presentation. It is advised that students should seek advice from their advisor(s) before presentation.

#### 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 Text and Manual*

***When the scientist presents: an audio and video guide to science talks*** by Jean-Luc. Lebrun

Critical to your career success is development of your technical presentation skills. To aid with this, we will have short discussions during the AST 992-1 seminars of chapters in from the book "***When the scientist presents: an audio and video guide to science talks***" by Jean-Luc. Lebrun. I will play in seminar the best of the audio podcasts/videos that accompany the book. You have access to an e-version of the book in Bluford Library -

<https://ebookcentral.proquest.com/lib/ncat-ebooks/detail.action?docID=1193378> .

Read the book at the following pace (each chapter is about 20 pages long):



Not applicable

*Special Assignments*

Not applicable

*Academic Integrity*

Enrollment in the class means that you agree to abide by the expectations of North Carolina A&T State University about academic integrity. For specific information refer to your Student Handbook. Also, refer to the most current Undergraduate Bulletin for the academic dishonesty policy. The North Carolina A&T State University's Academic Honor Code will be enforced.

Your responsibilities in the area of honor include, but are not limited to, avoidance of cheating, plagiarism and improper or illegal use of technology. Your presentations, assignments, and quizzes are expected to be your own work. Any questions about these should be directed to the professor. It is permissible to request assistance from a librarian when doing database research as long as the selection and organization of the research for the presentation is in your own work.

*Class Attendance*

The College of Arts and Sciences requires students to be on time for class and to attend class on a regular basis. If the student has unexcused absences, is late for class or leaves class early, the student's grade may be lowered.

(See attendance policy set forth by the instructor in the course syllabus.)

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 professor, 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**

Not applicable

Student Affairs website <http://www.ncat.edu/~staffair/>;

***Student Handbook:*** <http://www.ncat.edu/~deanofst/Handbook.htm>;

Student Travel Procedures and Student Travel Activity Waiver

<http://businessfinance.ncat.edu/policies%20and%20procedures%20index.htm>

*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: Student Travel Procedures and Student Travel Activity Waiver*

<http://businessfinance.ncat.edu/policies%20and%20procedures%20index.htm>.

*Additional information is available from the office of Student Affairs, please check the website at <http://www.ncat.edu/~staffair/>.*

*Below is a description of any travel and/or risk-related activity associated with this course.*

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

***Student Handbook:*** <http://www.ncat.edu/~deanofst/Handbook.htm>

***Family Educational Rights and Privacy Act***

[http://www.ncat.edu/~registra/ferpa\\_info/index.htm](http://www.ncat.edu/~registra/ferpa_info/index.htm)

**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 the undergraduate

[http://www.ncat.edu/~acdaffrs/Bulletin\\_2008-2010/2008-2010\\_Undergraduate\\_Bulletin.pdf](http://www.ncat.edu/~acdaffrs/Bulletin_2008-2010/2008-2010_Undergraduate_Bulletin.pdf)

and graduate bulletins: 2008-2010 Graduate Catalog.doc

<http://www.ncat.edu/~gradsch/cstudents.html> and student handbook

<http://www.ncat.edu/~deanofst/Handbook.htm> 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.***

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01.27.09 – Submitted to Faculty Senate by LEW