

Fall 2025 Class Syllabus
CS 116: Southern Row Crop Production - Cotton, Peanuts, and Tobacco
1404 Williams Hall – 10:15-11:30 am

Matthew Vann - Tobacco

4212 Williams Hall – Work 919-513-0904

Email: matthew_vann@ncsu.edu – Office Hours: by appointment

David Jordan - Peanuts

4207 Williams Hall – Work 919-515-4068

Email: david_jordan@ncsu.edu – Office Hours: by appointment

Keith Edmisten - Cotton

4208 Williams Hall -Work 919-515-4069; Cell 919-971-8753

Email: keith_edmisten@ncsu.edu - Office Hours: by appointment

Teaching Assistant: Isabelle Gent

Email: itgent@ncsu.edu

Office Hours: by appointment

Course Objectives:

1. Understand the applied principles of cotton, peanut, and tobacco production.
2. Demonstrate the importance of soil type as it relates to cotton, peanut, and tobacco production.
3. Understand the impact of nutrient placement and availability to crop development.
4. Promote the concepts of Integrated Pest Management (IPM) as they pertain to cotton, peanuts, and tobacco.
5. Explain the benefits Plant Growth Regulator application.
6. Be able to discuss the implications of mechanization to each production system.
7. Relate the economic importance of each crop to cropping systems commonly found in North Carolina.

Student Learning Outcomes: Upon successful completion of this course, students will:

1. Be able to describe the growth and development of the cotton, peanut and tobacco plants.
2. Discuss the advantages and disadvantages of various cultural and tillage practices suited to these crops, including reduced tillage options important in developing sustainable cropping systems.
3. Apply plant monitoring and scouting techniques to make recommendations in managing inputs such as growth regulators, fertilizers and defoliant.
4. Be able to describe proper planting techniques including row widths, planting rates (plant populations), planting depth, seed quality, and variety selection.
5. Be able to make recommendations for weed, insect, nematodes and disease pests of cotton, peanuts and tobacco and their control through Integrated Pest Management and Best Management Practices strategies.
6. Be able to describe how harvesting and storage can affect producer's profit.
7. Be able to describe marketing approaches employed by producers, including the role of Federal farm legislation.

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Class Schedule:

Tobacco: **August 19th to September 18th, 2025**

Peanuts: **September 23rd to October 28th, 2025**

Cotton: **October 30th to December 2nd, 2025**

No Class: **September 16th (Wellness Day), October 14th (Fall Break); November 27th (Thanksgiving Break)**

Last Class: **December 2nd**

Final Exam: **December 4th, 2025; 8:30am – 11:00am; 1404 Williams Hall**

Prerequisites: none

Field Trips and Special Fees: none

Texts, Dates, and Prices: 2025 Cotton Information, Keith Edmisten et al., 2025 Peanut Information David Jordan et al., 2025 Tobacco Information, Loren Fisher et al. will be provided to students free of charge

Grading Scheme: The + or - grading system will be used. The grades from the cotton, peanuts and tobacco sections of the class will each count for ¼ of your final grade. A review of an assigned scientific article will determine the final ¼ of your final grade.

Cotton section (33.3% of final grade) –quizzes (60%), exam (40%).

Peanut section (33.3% of final grade) –daily quizzes (33%), exam 1 (33%), exam 2 (33%)

Tobacco section (33.34% of final grade) – homework (50%), exam 1 (50%)

A+ 95-100	C+ 76-78
A 92-94	C 72-75
A- 89-91	C- 69-71
B+ 86-88	D+ 66-68
B 82-85	D 62-65
B- 79-81	D- 59-61

Attendance: Quizzes will be given in cotton and peanut class sections as a way to mark attendance. An attendance sheet will be passed around in the tobacco class. Class attendance is mandatory and you are required to attend at least 80% of class sessions. You are allowed six total absences, or 20% of class sessions. The Agricultural Institute attendance policy does not distinguish between excused and unexcused absences; that is, even if the absences meet the University's excused absence requirements, that does not make them exempt from this 20% rule. However, if you surpass the allowed number of absences at any point during the semester you will be required to complete a wellness check-in with the Director of the Agricultural Institute. You must check-in within seven (7) days of returning to class.

Attendance is essential to performing well in this class. We expect you to be here.

Academic Integrity: Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at <https://policies.ncsu.edu/policy/pol-11-35-01/>. Violations of academic integrity such as cheating, plagiarism, or giving unauthorized help to others will not be tolerated and will be dealt with according to the NCSU Code of Student Conduct.

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Accommodations for Disabilities: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with the Disability Resource Office on the third floor of University College Commons (Suite 304). For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.01).

Non-Discrimination Policy: NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <https://policies.ncsu.edu/policy/pol-04-25-05/> or <https://diversity.ncsu.edu/>. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 515-3148.

Instructor Policy on Incomplete Grades: If an extended deadline is not authorized by the instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at <https://policies.ncsu.edu/regulation/req-02-50-03/>.

Lecture Outline:

Tobacco Production
Overview and Economics
Seedling Production
Nutrient Management
Weed Management
Disease Management
Insect Management
Topping and Sucker Control
Curing and Mechanization

Peanut Production
Overview of Production
Budgets and Marketing
Crop Rotations and Tillage
Variety Selection
Fertility
Harvesting Principles
Weed Management
Insect Management
Disease Management
Pesticide Compatibility
Risk Management

Cotton Production
History, Statistics, and Use
Growth and Development
Plant Monitoring
Variety Selection
Tillage
Fertility
Seed Quality and Planting
Growth Regulator
Weed Control
Disease Management
Insect Management
Defoliation and Harvest

Emergency Preparedness

Emergency Preparedness: Familiarize yourself with the building(s) that you frequent. Know the layout, including exit locations, stairwells and the Emergency Assembly Point (EAP). Review the "Quick Guide for Emergencies" that is found near the door in many classrooms for specific emergency information and instructions. If the quick guide is not available in your classroom or for additional information, visit wolfalert.ncsu.edu or go.ncsu.edu/EMMC. To receive emergency notifications, make sure your information and cell phone number is updated in MyPack Portal.

To report an emergency:

- 911 from a campus landline
- 919-515-3000 from a cell phone while on campus