

Peanut Production (CS 163)
Fall, 2014
Class Syllabus

David Jordan
4207 Williams Hall
Work: 515-4068 Cell: 919-810-6611
E-mail: david_jordan@ncsu.edu
Office hours: by appointment

Location: Williams Hall
Time: 11:45 am -1:00 pm
Dates:
September TBD
October TBD

Catalog Description:

Principles of modern peanut production. Emphasis on the history and dispersal of peanuts, supply management programs, physiology of peanut growth and development, weed, disease, and insect management, fertility practices, recommended cultural practices including IPM, methods of maturity determination, recommended harvesting, curing, and handling Principles of modern peanut production. Emphasis on the history and dispersal of peanuts, supply management programs, physiology of peanut growth and development, weed, disease, and insect management, fertility practices, recommended cultural practices including IPM, methods of maturity determination, recommended harvesting, curing, and handling practices.

Upon successful completion of this course, the students will be able to:

1. Describe marketing arrangements, market type peanuts, and geographical production regions of peanut grown in the United States and worldwide.
2. Describe the major anatomical and physiological of the peanut plant.
3. Develop and thorough understanding of the importance of variety selection, fertility requirements, crop rotations, and stand establishment.
4. Identify key insect, weed, and disease pests of peanut and explain management practices used to minimize the impact of these pests.
5. Utilize all decision support systems, risk advisories, and extension publications to develop appropriate production and pest management practices.
6. Explain principles associated with digging, harvesting, drying and storing the peanut crop
7. Determine how market grade factors are evaluated and their impact of the peanut industry with respect to how peanut should be managed at the farmer level.

Class Schedule:

The following topics will be discussed in the order listed below

- Peanut history, geographical production areas, market classifications
- Botanical classification, peanut growth and development
- Peanut growth and development and soil resources
- Soil resources, tillage, and fertilization

- Peanut variety development, selection, and market grade characteristics
- Plant growth regulation and harvest principles
- Harvest principles, handling, and storage
- Weed management in peanut
- Insect management in peanut
- Disease management in peanut
- Integrated pest management
- Peanut economics and marketing
- Developing a holistic approach to peanut production

Prerequisites: none

Grading Scheme: Final letter grades will be based on daily quizzes (33% of final grade) and two in-class exams (33% of final grade for each exam). Final grades will be determined according to the following scale. The + or - grading system will be used.

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

Grades may be adjusted up if necessary so that the class average approaches a C (approximately 74%).

Attendance: Quizzes are given at the beginning of each class. Absence will result in a zero for the day except with prior approved permission or in the event of a properly documented medical or family emergency. Attendance is necessary to perform well in this class because 33% of the final grade is based on daily quizzes.

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For a complete explanation of the University Attendance policy, students should refer to the web site http://www.ncsu.edu/policies/academic_affairs/pols_regs/REG205.00.4.php.

Academic Integrity: Students are expected to comply with University policies concerning academic honesty. 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 which can be found at http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php.

Field Trips and Special Fees: none

Texts, Dates, and Prices: *2014 Peanut Information* and other Cooperative Extension resources provided free of charge. Additional handouts and other written resources will be provided by the instructor.

Disability Services:

We especially wish to accommodate students with special needs. Please let us know if you would benefit from the services which are available (including van service to/from class, meals delivered to dorm rooms, tutorials, keys to campus elevators. Etc). If a learning disability exists, please contact DDS at 515-7623 (voice)/ 515-8830 (TTY) and your instructor in this course. The website address is as follows:

http://www.ncsu.edu/provost/hat/current/appendix/appen_k.html