Catalog Statement
Fundamentals of compost production, use and regulation will be presented through lectures, fieldwork and a fieldtrip.

Course Format
This course will meet for 1 two-hour session per week for 8 weeks and students will be required to participate in lecture, lab and fieldtrip components.

Course Objectives
Students enrolled in this course will:

1) Develop an understanding of the role of compost and nutrient cycling in a sustainable agricultural system.
2) Become familiar with the means by which compost is produced, classified, used, and regulated.
3) Experience hands-on learning exercises through fieldwork and a fieldtrip.
4) Examine current compost research in scientific journals.

Course Specifics
Instructor: Adriane (Addy) Elliott
Office: W107    Phone: 491-6984
Cell: (970) 218-8305
Email: Adriane.Elliott@ColoState.edu (BEST WAY TO REACH ME!)


Other readings: Distributed in class.

Prerequisites: SOCR 240 Introduction to Soil Science

Grading:
Take home exams (2): 90 points each = 180 points
Homework (2): 20 points each = 60 points
Final project (1): 40 points = 40 points
Class participation: 20 points = 20 points
300 points total
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<th>Week</th>
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| 1    | Oct. 15| Review Syllabus  
Compost: The big picture and NOP Definitions, Carbon and Nitrogen cycles, Play the nitrogen game |
| 2    | Oct. 22| Make Class Compost Piles (meet at PERC- 613 W. Lake St.)  
**Homework #1: Assign data collection and management days/times (observation sheets due to Addy by Dec. 1st)** |
| 3    | Oct. 29| Understanding Different Compost Systems, Compost Microbiology and Compostable ‘Plastics’  
**Take Home Exam #1 distributed (due next week)** |
| 4    | Nov. 5 | Field Trip - Vermicompost  
**Take Home Exam #1 DUE TODAY**  
Assign Final Presentation today |
| 5    | Nov. 12| Field Trip – Earth Tub and Earth Flow (Solvita Test Demo)  
**Homework #2: Read assigned articles/ write 3 page discovery essay about something you learned/thought about for the first time after completing the readings.** |
| 6    | Nov. 19| Compost Quality Measurements, Interpretation, Use and Rates  
**Take Home Exam # 2 distributed (due next week)** |
| 7    | Dec. 3 | Environmental Assessments for Compost Site Determination / State Regulations (CO Dept. of Ag. and CO Dept. of Public Health & Environ.)  
Discuss class compost piles  
**Take Home Exam # 2 DUE DEC. 1** |
| 8    | Dec. 10| **Student presentations** |