

# Research Classes

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## *Data Analysis (Statistics)*

### **Agricultural, Environmental and Development Economics 2005 - Data Analysis for Agribusiness and Applied Economics**

3 hours

Prereq: Math 1130, 1131, 1148, 1150, 1151.01, 1151.02, or 1156

Description: Introductory course in data analysis, stressing computer applications of probability and statistics, problems of data gathering, presentation, and interpretation in economics and business.

### **Animal Sciences 2260 - Data Analysis and Interpretation for Decision Making**

3 hours

Prereq: Math 1130, 1148, 1150, or 1151.01

Description: Basic concepts of probability and statistics applied to the interpretation of quantitative data.

### **Community Leadership 3537 - Data Analysis in Applied Sciences**

3 hours

Prereq: Math 1130 or 1148

Description: Application and interpretation of descriptive and inferential statistics in applied sciences associated with agriculture.

### **Horticulture & Crop Science 2260 - Data Analysis and Interpretation for Decision Making**

3 hours

Prereq: Math 1130, 1148, 1149, 1150, 1151.01, 1151.02, or 1156

Description: Basic concepts of probability and statistics applied to the interpretation of quantitative data.

### **Horticulture & Crop Science 5887 - Introduction to Experimental Design**

3 hours

Prereq: HCS 2260 or STAT 1450 or equiv or Grad standing

Description: Introduction to experimental design, including selection and layout of plots, data analysis software, and data interpretation. Taught in Autumn Semester. 2 hours of lectures and 2 hours (1 hour credit) of recitation with exercises in SAS and R. Students need their own laptop.

### **Environment and Natural Resources 2000 - Natural Resources Data Analysis**

3 hours

Prereq: Not open to students with credit for 222. GE data only course.

Description: Introductory data analysis course that focuses on understanding and applying basic statistical concepts, problem solving, and interpreting the results of statistical analysis.

## *Individual Studies*

### **Agricultural Communication 5193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 6 credit hours

Prereq: 2.50 Cumulative Point Hour Ratio (CPHR) and permission of instructor.

This course is graded S/U.

Description: Students plan, conduct, and report on a special problem in agricultural communication not included in regular course work.

### **Agricultural, Environmental, and Development Economics 4193 - Individual Studies - 2-3 hours**

Repeatable to a maximum of 6 credit hours

Prereq: 3101, or CPHR 2.50 or above, or permission of instructor.

This course is graded S/U.

Description: Planning, conducting, and reporting a special problem in agricultural economics.

### **Agricultural Systems Management 4193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 8 credit hours

Prereq: 2.50 CPHR and permission of instructor.

This course is graded S/U.

Description: Advanced individual study of problems and topics not included in regular Agricultural Systems Management courses.



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**Animal Sciences 4193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 6 credit hours

Prereq: 2.50 CPHR and permission of instructor.

This course is graded S/U.

Description: Special assignments and elementary research; problems assigned after consultation with instructor in charge.

**Community Leadership 5193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 6 cr hrs. or 3 completions.

Prereq: 2.50 CPHR and permission of instructor.

This course is graded S/U.

Description: Planning, conducting and reporting a special study appropriate to the needs of the student.

**Construction Systems Management 4193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 6 credit hours

Prereq: GPA 2.5 or above, and permission of instructor

This course is graded S/U.

Description: Intermediate individual study of problems and topics not included in regular Construction Systems Management courses.

**Environment and Natural Resources 4193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 9 credit hours

Prereq: Permission of instructor.

This course is graded S/U.

Description: Individual Studies in Environment and Natural Resources.

**Horticultural & Crop Science 4193 - Individual Studies - 1-3 hours**

Repeatable to a maximum of 3 credit hours

Prereq: GPA 2.50 or above, and permission of instructor.

This course is graded S/U.

Description: Special studies in the field of horticulture and crop science.

**Plant Pathology 6193 - Individual Studies - 1-6 hours**

Repeatable to a maximum of 6 credit hours

Prereq: CPHR 2.5 or above, and permission of instructor.

This course is graded S/U.

Description: Problems may be selected in the various areas of plant pathology.

***Honors Project***

The following are offered in all departments:

**Research with Distinction 4999 - 1-6 hours**

Repeatable to a maximum of 6 credit hours or 3 completions

Prereq: GPA 3.0 or above, and GPA 3.0 or above in major, and permission of project supervisor. Not open to students with credit for 683H.

This course is graded S/U.

Description: Conducting and reporting research with distinction. Students are expected to present at the CFAES Undergraduate Research Forum and the Denman University Undergraduate Research Forum.

**Research with Distinction 4999H - Honors - 1-6 Hours**

Repeatable to a maximum of 6 credit hours or 3 completions

Prereq: Honors standing, and FAES 4590.01H (590.01H), and CPHR 3.4 or above, and GPA 3.4 or above in major, and permission of honors project supervisor.

This course is graded S/U.

Description: Conducting and reporting research with distinction. Students are expected to present at the CFAES Undergraduate Research Forum and the University's Denman Undergraduate Research Forum.



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