

# AGRICULTURE - GENERAL (AGRI)

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## **AGRI 491G Data Analysis and Interpretation 3 Hours**

Statistical models and use of samples, variation, statistical measures, distributions, tests of significance, analysis of variance, regression, correlation and chi-square as related to interpretation and use of scientific data.

*Recent Term(s) Offered: fall 2022; fall 2023; fall 2024*

## **AGRI 493G Sustainable Agriculture 3 Hours**

Effect of diminishing resources, environmental pollution, and short-term economics on the sustainability of productive agriculture. Emphasis on managing crops, livestock, and other farm resources in providing an ecological-economical balance in agricultural production. Note: Upper division standing, minimum of 18 hours in agriculture or related areas required.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023*

## **AGRI 528 Population Genetics 3 Hours**

Application of genetic and statistical concepts to populations of plants and domestic animals.

**Prerequisite(s):** BIOL 327 and (AGRI 491 or equivalent)

*Recent Term(s) Offered: spring 2022*

## **AGRI 590 Experimental Design 3 Hours**

Statistical consideration in experimental design; covariance, multiple regression, factorial design, and incomplete block designs.

**Prerequisite(s):** AGRI 491 or permission of instructor

*Recent Term(s) Offered: spring 2022; spring 2023; spring 2024*

## **AGRI 597 Independent Special Problems/Agriculture 1-3 Hours**

(repeatable max of 9 hrs)

Supervised individual study in agriculture.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: spring 2022; fall 2022; summer 2023; fall 2023; summer 2024; fall 2024*

## **AGRI 598 Seminar 1 Hour** (repeatable max of 3 hrs)

Problems and research in agriculture. Required of all graduate students.

*Recent Term(s) Offered: spring 2022; fall 2022; spring 2023; fall 2023; spring 2024; fall 2024*

## **AGRI 599 Thesis Research/Writing 1-6 Hours** (repeatable max of 6 hrs)

Thesis research and writing directed by faculty committee.

*Recent Term(s) Offered: spring 2022; summer 2022; fall 2022; spring 2023; summer 2023; fall 2023; spring 2024; fall 2024*

## **AGRI 600 Maintaining Matriculation 1-6 Hours** (repeatable max of 6 hrs)

Continued enrollment for thesis completion.

*Recent Term(s) Offered: spring 2023; fall 2023; spring 2024; summer 2024; fall 2024*

## **AGRI 675 Advanced Topics/Agriculture 1-3 Hours** (repeatable max of 10 hrs)

Issues and scientific developments of current interest.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*