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Course Overview

Course Title	Applied Agricultural Technology and Data Analysis
Course and Section Number	AGR-215-ONL
Number of Credits	3 Semester Credits
Term	22/AUTM
Course/Section Dates	08/22/2022 – 10/15/2022
Meeting Time	Class meets online via Canvas
Instructors	Ron Osborne Pete Poppert
Doane Email Address	pete.poppert@doane.edu
Textbook Information: (e.g. title, edition, publisher, ISBN)	Yellowdig (eISBN) <ul style="list-style-type: none">• Yellowdig• ISBN: MTC:45505605• See Doane Bookstore for more information <p>Link to Doane Bookstore: https://www.bkstr.com/doaneuniversitystore/shop/textbooks-and-course-materials</p>
Additional Course Materials	Required: Microsoft Excel <ul style="list-style-type: none">• Office 365 provided by the College of Business Python and Supplemental programs <ul style="list-style-type: none">• Free software available online
Course Description	Precision agriculture relies heavily on technology in all aspects of agricultural production. This technology gathers vast amounts of information and data which agricultural



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professionals are often required to understand, analyze, and interpret. Successful data analysis helps producers frame problems, make comparisons, forecast outcomes, and make decisions. At the completion of the course students will be able to: 1) understand the value of information collected through technology, 2) examine data cleaning and modeling concepts, 3) interpret the results of data analysis, and 4) present agricultural data results for forecasting and decision making.

Foundational Area of Knowledge

None

Course Learning Outcomes/Objectives

At the completion of the course students will be able to:

- 1) understand the value of information collected through technology,
- 2) examine data cleaning and modeling concepts,
- 3) interpret the results of data analysis, and
- 4) present agricultural data results for forecasting and decision making.

Technology Requirements

For the successful use of Canvas please refer to Doane University's [minimum computer requirements](#). This may also include:

- Reliable computer and internet connection
- A web browser (Chrome or Mozilla Firefox)
- Adobe Acrobat Reader (free)
- Word processing software -Microsoft or Google Docs
- Webcam and mic

Syllabus Addendum

[Addendum](#) includes information regarding:

- Academic Support
- Military Friendliness & Services
- Study Time
- Credit Hour Definition
- Catalog and Policies

Technological Support

If you are in need of technical assistance, please contact the help desk at 402-826-8411 or by email at helpdesk@doane.edu.

Learning Management System

Canvas: <https://doane.instructure.com>



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**Campus Network or Canvas
Outage**

When access to Canvas is not available for an extended period (greater than one entire evening - 6pm till 11pm) you can reasonably expect that the due date for assignments will be changed to the next day (assignment still due by midnight).