

ADVS Assessment [2019-2020]

Emphasis: Animal and Dairy Science

Skills & Career Competencies [SCC]: Learning Outcome [LO] #3

Semester/Course: Fall 2019 ADVS 3500 Animal Nutrition

Artifact: Final Research Paper

The Final Research Paper is an assessment of SCC LO #3. The assessment measures the student's ability to conduct scientific literature searches using modern methods by requiring students to locate five sources (three that need to be peer reviewed) to write a summary on their topic of choice in Animal Nutrition.

3. Conduct scientific literature searches using modern methods.

ADVS 3500 – Principles of Animal Nutrition
Instructions: Research Paper and Presentation (29 points)

This activity was designed to meet the course objective #3: Developing skills in expressing yourself orally and in writing.

Overall Assignment Description

There are six parts/steps in the research paper and presentation assignment (see below more details), all of which must be completed for full credit. Each step is an opportunity to orient your progress through the process of your paper and presentation.

Part 1: Choose a research topic and summarize three scientific papers about the topic.

Deadline: 09/13 by 5 pm

Points: 3 points

Instructions:

Research topic

- Choose a topic that relates your career goals and nutrition.
- Narrow your topic to something manageable. If your topic is too broad, you will find too much information and not be able to focus. A good way to find out if your topic is broad or not is doing a literature search. Various databases are available for performing literature search; good examples are Scopus (<https://www.scopus.com/search/form.uri?display=basic>) and CAB Direct (<https://www.cabdirect.org/cabdirect/search/?searchtype=advance-search>). Use your topic's key words for the search. If you get more than 15 scientific papers as the search result, you need to narrow down your topic.

Scientific papers summary

- Choose three relevant scientific papers related with your topic and summarize them (half page per paper). The journals listed in the syllabus are good sources of scientific papers and you are welcome to use other journals, but their impact factor must be greater than 1.5. Please do not summarize literature reviews. You must include these three scientific papers into your research paper.
- You can organize your summaries following the steps suggested by the article "*How to Read a Scientific Paper*" (attached). Kendall Becker from the USU Scientific Writing Center have done an excellent job describing the steps to read a scientific paper. Also, you can find a summary example on Canvas.
- Besides your summaries (all in one file), upload on Canvas a pdf copy of the research papers that you have summarized.