

AGRICULTURAL SYSTEMS (AGR315117)

FEEDBACK FOR STUDENTS AND TEACHERS

To achieve the highest possible score use the elements required within the criteria as a guide for both the engineering solution and agribusiness case study.

AGRIBUSINESS CASE STUDY

CANDIDATES WHO DID WELL ON THIS SECTION

- focused on one enterprise within the business when discussing a multi-enterprise business, particularly for the financial analysis
- used tables for deep analysis of risks, benefits, and all elements of a business
- didn't just state what each element requires, adhere to the verbs of the element
- stayed within word count (word count must be included at end of report -not including references)
- showed evidence of understanding systems and design thinking, used tools such as tables to compare, contrast and analyse
- provided an annual timeline of activities
- showed depth of research and impacts on climate variability
- cost benefit analysis was standardised (be sure to include gross margin)
- showed individual analysis of the business and future directions. To achieve this you need to be well acquainted with your business type and current best practice. (This will be shown by the references you include. Your references should include professional bodies, government research institutes, agricultural databases and university publications.)
- actioned adequate background research/ environmental scan of literature to be aware of best practice in relevant industry
- used the references within the teaching and learning supplement

CANDIDATES SHOULD

Ensure that all ethics processes are adhered to and that farmers are given the option to remove data and that intellectual property is protected.

Show that you have thought about the ethical issues and state “permission has / has not been granted to reveal certain information”.

Be sure to give proper analysis of business not just simplistic statements of what has occurred.

Address how the environment affects business and business affects environment.

Transcribe your interviews and show a range of primary sources.

Referencing – adhere to consistent format, tables and figures must have name and reference with proper tabulation.

The highest achieving students used tools such as tables and graphs to compile data then compare, contrast and analyse impacts upon agribusinesses.

They tabulated to analyse:

- Marketing options
- Summaries of climate impacts
- Water storage
- Gross margin/ gross profit

Carefully choose the agribusiness you will study and be sure you are confident in the relationship with the person/ people in that business to ensure:

- you will be able to spend adequate time with them to gain the information you will require
- be considerate of the business owner's time so that you can optimise your time with them e.g. take recording devices, have questions prepared and thorough
- as a rough guide, you will need to interview the agribusiness owner at least THREE times for an hour long period each time

ENGINEERING SOLUTION

- Use a positives and negatives tables to assess each solution to your problem
- Be sure to cost your solution
- Test your solution, record results, even if this is feedback or survey
- Do adequate background research/ environmental scan to be aware of other solutions to the proposed problem
- Be sure to evaluate and test your solution
- Referencing – adhere to consistent format, tables and figures must have name and reference with proper tabulation.
- Drafted drawings must be appropriately made - i.e. using graph paper/ google sketch up/rhino to scale and annotated
- Prototyping – make your solution as a prototype before you complete it. It is imperative to prototype your solution to gain full marks