

Senior Thesis

essential understanding

Students will prepare and develop the necessary skills for the post secondary schooling experience and complete a long-term action research project.



overview

Senior year of high school is an important transitional period for youth. Students are leaving childhood and growing into adults. As students finish their mandatory education, they become increasingly responsible for making the choices that will influence their journeys through adulthood. This course is designed to assist students to prepare for college and life after high school. This course is also designed to assist students in the development and presentation of a long-term action based research project, which will serve as a culmination of their high school experience and allow students to become experts in a specific topic of students' own choosing.

Guiding Question 3: How can you conduct action-based research for your senior thesis project?

lessons

- _____ Research Ethics
- _____ Collecting Data
- _____ Analyzing Data
- _____ Compiling Research

group work

Due Date: January 23rd/24th

_____ **Research Ethics Activity** - In assigned groups students will work together to complete a handout that discusses the complex and nuanced set of ethical considerations when conducting research involving human subjects.

Due Date: March 9th/10th

_____ **Peer Review of Data Analysis** - In pairs students will work together to review each other's data analysis. Pairs will be assigned by the teacher and will be based on project similarities. Students may offer one another suggested revisions or insights about how data may be alternatively viewed.

individual work

Due Date: Varies

_____ **Daily Warm Ups** - Twice during the quarter, your daily warm ups (your written response to the daily 'Start Your Brain' question) will be collected by the instructor for credit. If your warm up is not complete when it is your turn to submit the warm up, you will not receive credit.

Due Date: January 23d/24th

_____ **Research Ethics Activity Reflection** - Students will complete the individual portion of the handout relating to Research Ethics that asks them to reflect on the possible ethical considerations involved in their own action research. Students who do not turn this in will not be permitted to begin their action research.

Due Date: February 6th/7th

_____ **Data Set #1** - Students will submit the findings from their first round of data collection in a format that is appropriate to the nature of the research being conducted. Submission of data must be neat and professional appearing. Data will be accompanied by a written reflection no more than a paragraph discussing students' initial impressions about their findings.

Due Date: February 13th/14th

_____ **Data Set #1 Analysis & Visual Representation** - Students will submit a one page analysis of the data they obtained during the first round of data collection. Students will also create a visual representation of their data in the form of a graph or chart. In writing this reflection students shall consider the following questions:

- What conclusion(s) can you draw from your data collection?
- What questions remain unanswered or unanswerable from your collection of data?
- What variables may have impacted the data you collected?

Due Date: February 20th/21st

_____ **Data Set #2** - Students will submit the findings from their second round of data collection in a format that is appropriate to the nature of the research being conducted. Submission of data must be neat and professional appearing.

Due Date: February 27th/28th

_____ **Data Set #2 Analysis & Visual Representation** - Students will submit a one page analysis of the data they obtained during the second round of data collection. Students will also create a visual representation of their data in the form of a graph or chart. In writing this reflection students shall consider the following questions:

- What conclusion(s) can you draw from your data collection?
- What questions remain unanswered or unanswerable from your collection of data?
- What variables may have impacted the data you collected?

assessment**Due Date: Weekly**

_____ **Individual Check Ins** - During Semester 2 of Senior Thesis, students shall check in weekly with the instructor for a one on one conference to discuss the progress of their research and any suggestions to strengthen their research. Check ins shall take the place of the weekly progress reflections students completed during the first semester.

Due Date: March 19th/20th

_____ **Action Research Reflection** - Students will write a one to two page reflection on their experience conducting action research. In writing this reflection students shall consider the following questions:

-How did the experience of conducting action research differ from the experience of conducting scholarly research?

-Do you feel you were successful in conducting action research? What challenges emerged for you while conducting action research? If you had the opportunity to go back and revise your action research plan, what would you do differently?

Due Date: March 26th/27th

_____ **Rough Draft Senior Thesis Research Paper** - Building upon the partial draft of the Senior Thesis Research Paper that students completed in the first semester, students will submit a rough draft of their complete Senior Thesis Research Paper (8-9 pages, not including works cited or any relevant visual enhancements such as charts or graphs).

Google Classroom Code

Mon/Thurs: **2re57a3**

Tues/Fri: **pl3iuuf**

Senior Thesis Project Required Components:

- Introduction
- Literature Review
- Action Research Description
- Data Set #1 Visual Representation
- Data Set #1 Analysis
- Data Set #2 Visual Representation
- Data Set #2 Analysis
- Action Research Reflection
- Conclusion
- Annotated Bibliography

