

# Capstone

## Intro to Research



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# Housekeeping

- Review the Syllabus
  - Look at it constantly
- Lines of Communication
  - Email: [Jcheun@mail.smu.edu](mailto:Jcheun@mail.smu.edu)
- Files/Toolbox



# Goal

- To complete a Research Journal Article in 15 weeks, either solo or in a group of 2
- Present the research at Immersion on Friday, March 20
- Final Paper due Apr 16.



## Tentative Timeline for Capstone

Week	Topic	Assignments
Jan 5	Welcome: Review Syllabus - Outlining your paper	Must have group and advisor chosen by Jan 12
Jan 12	Pitch your project - How to write an introduction	Research Outline Due Jan 12
Jan 19	Guest Speaker: Librarian - Lit Review vs. Annotated Bibliography	Introduction (Draft 0) Due Jan 19
Jan 26	Lit Review	
Feb 2	Nibhrat Lesson	Draft 1 Due Feb 2
Feb 9	Methods/Results	
Feb 16	Live Session: Data Ethics	
Feb 23	Discussion/Data Storytelling	
Mar 2	Data Storytelling	Draft 2 Mar 2
Mar 9	Groups to meet with the Professor to review Draft 2 and Presentations.	Presentation Recording Due Mar 6 and Peer Review Feedback Due Mar 13
Mar 16	<b>Immersion Mar 20 &amp; 21</b>	Final Presentation Due Mar. 18.
Mar 23	Guest Speaker: James Williams	
Mar 30	Meet with the Professor to review Draft 3	Draft 3 Due Mar 30
Apr 6	If needed	Final Paper Due Apr 13
Apr 13	Once the Final draft of the Paper is submitted in 2DS. The Professor will review it and email you instructions on how to submit it to the journal. Submissions must be in by Apr 16	

<b>Point value</b>	<b>Component</b>
10	Live Session Attendance
10	1 <sup>st</sup> Draft Review
10	2 <sup>nd</sup> Draft Review
10	Recording of Presentation
10	Peer Review of Presentation
25	Presentation at Immersion
20	Draft 3
5	Final Publishable Paper Review

## Grade Breakdown

# Resources for Research

- SMU Library
- [Data Science Journal Articles](#)
- Graduate Writing Center
  - Must use on Draft 3
- Purdue OWL Citation
  - APA Citations
- Advisor



# Project Manager

- You will be keeping a Log/Journal of all the work you do on the capstone.
- See Toolbox for the Excel Sheet
- Each Group member must be contributing.



# Advisor

- All groups need an Advisor
- Email me and include your Advisor to introduce us
  - I will be sending them information throughout the project.
  - I need their contact information
    - Name
    - Email





# What is the purpose of Research?





# Your Research paper is a BIG story

- Introduction
  - Problem Statement
- Literature Review/Background
  - Hypothesis
- Methods
  - Data
- Results
- Discussion – Application of the Results
  - Ethics
- Conclusion



# Research Outline

- Due Jan 12
- See Example in Files
- Must use the Outline Template.
- I. Introduction
  - A. Main Topic
    - 1.



# IRB Approval

- NO CAPSTONE will be using human subjects to test their product on.

