



*Master of Science in Data Science*

## **MSDS 6130: Capstone B Course Syllabus**

### **Welcome to the Capstone B Course**

Welcome to MSDS 6130, Capstone B. The objective of this course is to provide students the opportunity to solve a complex ill-defined and open-ended problem in the realm of data science. The objective of this course syllabus document is to acquaint you with the administration, procedures, and policies of this course. Refer to this document throughout this course and save this document for future reference.

### **Course Overview**

The Master of Science in Data Science (MSDS) program provides a rigorous education providing the foundation of data science for both data analysts and data engineers. The Capstone Courses (MSDS 6120 and MSDS 6130) are a two-sequence set of courses designed to have student groups solve a significant problem. Students may define a problem statement of their choosing or may attempt to work on a sponsored project. Students have found advisors for their project to guide them along their course of problem solution. Students report out their work through a combination of writing and presentations at the conference held during this term and a journal paper published in the SMU Data Science Review Journal.

### **Course Student Learning Outcomes**

Learning outcomes, or learning goals, are what you are able to do as a result of the activities that you participate in and complete during this course. The primary learning outcomes of this course are:

1. The learner will be able to define with specificity a concrete problem statement given a question or problem domain.
2. The learner will be able to understand the basics of ethical theory.
3. The learner will be able to discuss ethical and privacy issues in the use and collection of large data sets.
4. The learner will be able to discuss the impact of data analysis on society.
5. The learner will be able to write technical papers that present their work in a clear, comprehensible manner.

This course supports, through its various synchronous, asynchronous, and other activities, broad general learning outcomes that are supported by the Master of Science in Data Science program, including:

1. An ability to design and conduct experiments that yield relevant and reproducible data.
2. An ability to manage and clean data sets.
3. An ability to apply knowledge of data analytics to explore and identify relevant information contained within a data set.
4. An ability to design a system or algorithm to meet desired needs within realistic constraints.
5. An ability to function on teams using data science tools and technologies.
6. An ability to identify, formulate, and solve data science problems based on a fundamental understanding of concepts of data science.
7. An ability to communicate effectively both in oral and written form.
8. Knowledge of the broad foundational data science education necessary to understand the impact of data science solutions in a global, economic, environmental, and social context.
9. Knowledge of contemporary issues in data science.
10. An ability to use the techniques, skills, and modern data science tools necessary for data science practice.

## **Course Instruction Using Synchronous and Asynchronous Sessions**

The course uses a combination of Synchronous class sessions and an Immersion Conference and activities to teach students the course material and guide them through the learning process. Synchronous class sessions occur once occasionally during the course of the term.

## **Course Prerequisite**

A student taking MSDS 6130 must be enrolled in the Master of Science in Data Science program at SMU, and they must have passed MSDS 6120 with a grade of C- or better. MSDS 6130 is designed to be taken in the immediate term following the completion of MSDS 6120.

## **Course Textbook and Other Course Material**

There is no required textbook for this course. Assigned readings and other activities are made available on the Learning Management System used for this course.

## **Technology Requirements**

MSDS 6130 is a course taught online with Synchronous and Asynchronous portions requiring the transfer of video. Students are expected to have access to a computer with reliable, high-speed Internet access. Students are expected to have access to a computer with a web camera with the computer capable of running the required software to access the Learning Management System, to read online documents, to watch course videos, and to participate in the Synchronous classes (including being on camera). Students are also expected to have access to a reliable phone connection in order to participate in the Synchronous classes.

All students enrolled in SMU have an SMU email account. Notifications from the Learning Management System and from the course instructor utilize your SMU email account. Students are encouraged to check this email regularly.

## **Course Access**

This course is accessible to registered students in the SMU MSDS program only. Course asynchronous material, course information, and course communications occur through the 2DS Learning Management System. Access to the 2DS Learning Management System is available at <https://2ds.datascience.smu.edu/>.

Students that experience technical issues with the Learning Management System should contact technical support as described below.

Students will have access to only those courses and course sections in which they are currently enrolled or have been enrolled in previous terms. Access to other sections is at the discretion of the section instructor. Access to recordings of synchronous sections where the student did not participate or was not an enrolled student are prohibited to protect the privacy of the students that do attend and participate.

## **Communication and Technical Support**

Direct communications with the instructor should be made in the manner indicated by the instructor. General questions and questions that are relevant to multiple students, that is, questions that are not specific to an individual and involve that individual's private information, should be posted on the course wall.

Technical support for the Learning Management System and the online classroom may be reached 24 hours a day, seven days a week via:

- *Chat Support:* Click on 'Live Support' in the lower right-hand corner of the 2DS screen after logging into the system to chat with a technical support representative. Chat support generally responds and engages in five minutes or less.
- *Phone:* Students should call 1-844-768-5637 (Toll Free) to speak with a Technical Support Representative.

- Email: [studentsupport@datascience.smu.edu](mailto:studentsupport@datascience.smu.edu) to initiate a support request with a Technical Support Representative.

For other questions or concerns, please contact the appropriate SMU department for your questions or concerns or send email to [datascience@smu.edu](mailto:datascience@smu.edu).

It is the student's responsibility to ensure that all communications are received or acted upon.

## Course Procedures and Policies

This course has a number of policies and procedures that students should understand and follow if appropriate. The following sections present the general course policies and procedures that students must follow. Additional policies and procedures may be given by the instructor. Please discuss as early in the term as possible with the instructor any questions or concerns that you may have regarding the course procedures and policies as defined herein or any additions made by the instructor to the course procedures and policies.

## Course Grading Policy

This course consists of a number of seminars and a conference that are to be attended throughout the term. It is expected that all students will put forth the effort required to earn an 'A' letter grade for this course. Assignment grades will be determined using evaluation rubrics and/or direct feedback. You are responsible for reviewing the rubrics or feedback and raising questions or concerns related to the assignments, their rubrics, and their grading prior to the submission of each assignment. Questions regarding the grading of any assignments should be directed to the course instructor as soon as possible and in accordance with any regrading policy instituted by the instructor.

The final grade for the course will be calculated on the bases of the earned cumulative percentage and the grade received for each of the components of the cumulative percentage. This course is not graded on a curve. The required cumulative percentage needed to earn each letter grade is given in Table 1.

Table 1: Cumulative Percentage Required to Reach Each Letter Grade

Cumulative Percentage	Earned Grade
100 – 92	A
92 – 90	A-
90 – 88	B+
88 – 82	B
82 – 80	B-
80 – 78	C+
78 – 72	C
72 – 70	C-
70 – 60	D
< 60	F

The cumulative percentage for the course is determined by the course assignment components with their corresponding point value defined in Table 2.

Table 2: Grade Components and Weightings of the Cumulative Percentage

Point value	Component
25	Presentation at Immersion
20	Third Paper Draft
10	Recording of Presentation
10	Peer Review of Presentation
20	Publishable Paper
15	Advisor signs off on Draft 3 & Final Paper

You will receive a grade for each component. If you earn less than 60% (grade of D) in any one of these components, you will receive a final grade of F for this course.

A course grade of *Incomplete* (I) will be given only in the case of extraordinary circumstances that prevent the student from finishing the semester. Students must have completed at least 50% of the course with a passing grade to be eligible for an *Incomplete* grade.

### **Grade Grievance Policy**

Students are responsible for saving all graded materials as evidence in case of a discrepancy with the assigned grades. Students are responsible for ensuring that all grades are correctly reflected on the grade store. Any identified discrepancies should be brought to the attention of the instructor as soon as the discrepancy is found. From the date the grade of the assignment is posted, students have 1 week to email the instructor of their grievance. After 1 week, the grade is final.

Refer to the university catalogue for the university policy and process for grade grievances.

### **Assignment and Collaboration Policy**

Data Science is an inherently collaborative subject, and learning often occurs best when subjects are taught both to and from peers. Collaboration is expected to occur both in learning the course material and in performing the course work. However, each student must hand in their own work performed by themselves unless explicitly allowed by written directions given by the instructor. Collaboration means helping one another learn the material. Collaboration does not mean copying answers from one another.

Assignment submissions that contain substantially the same answers shall receive a grade of zero on the first instance and a course grade of F upon a second instance. In order to mitigate potential issues and questions of similarity, peers with whom a student collaborates should be clearly identified by that student in their submissions.

### **Scholarly Expectations**

Work submitted at the graduate level is expected to demonstrate critical and creative thinking skills and be of significantly higher quality than work produced at the undergraduate level.

- To achieve this expectation, all students are responsible for giving and receiving peer feedback of their work.
- Students are also expected to resolve technical issues, be active problem solvers, and embrace challenges as positive learning opportunities.
- Data Science professionals must be able to teach themselves and teach others to fill in any gaps in their knowledge or to find a way of learning new material that is most conducive to their learning style.
- Data Science professionals must also be able to work cooperatively and collaboratively with others – skills that students are expected to practice in this course. Students are expected to ask questions and ask for help when they need it and to offer help when others are in need.

Absent questions or requests for assistance, instructors must assume that students understand the material being covered and are able to complete the assignments. It is primarily through your questions that the instructor learns where the students are struggling to understand and on which topics more time needs to be spent for the students' benefit.

### **Timeliness**

Because a 15-week term goes by quickly, assignments must be submitted by the designated due dates. Full credit cannot be earned by late or incomplete assignments. Assignments may lose up to 10% of their possible value each day late if submitted after the posted due date/time. (e.g. Assignments can lose all of their value at 10 days past due.) When a project incorporates peer review, it is imperative that all projects be available at the beginning of the review period and that reviews are completed by the end of the review period so that others may incorporate feedback into project revisions. You will have plenty of notification and time to complete course assignments.

***Attendance at Immersion is Mandatory.***

If you know you are going to be out of town, involved in a special event/project, or unable to access a computer, please plan ahead and let your instructor know. Also ensure that you have a backup plan ready in the event you might lose power, Internet access, or your available technology.

### **Time Commitment**

As a technical graduate level course, and a Capstone course, it is expected that students will spend a significant amount of time on this course. The time needed to define and solve an ill-defined and open-ended problem can be considerable. And, all students will produce a final paper published in a peer-reviewed journal publication. Therefore, it is expected that students will spend between 5 and 15 hours per week on this course plus attend the conference held during the term of this course.

### **Attendance Policy**

Attendance and on-camera participation during any presentations is highly encouraged. Scheduled meetings that are noted to be mandatory are, in fact, mandatory.

### **Drop Policy**

Refer to the university drop policy for a complete description of the drop and withdrawal policies for this course.

### **COVID-19 and Other Medical-Related Absences**

Students who test positive for COVID-19 and need to isolate, or who are notified of potential exposure, must follow SMU's Contact Tracing Protocol. To ensure academic continuity and avoid any course penalties, students should follow the same procedures described by their instructors as they would for any other medical-related absence in order to be provided with appropriate modifications to assignments, deadlines, and exams.

### **Student Academic Success Programs**

Students needing assistance with writing assignments for SMU courses may schedule an appointment with the Writing Center through Canvas. Students who would like support for subject-specific tutoring or success strategies should contact SASP, Loyd All Sports Center, Suite 202; 214-768-3648; <https://www.smu.edu/sasp>.

### **Caring Community Connections (CCC) Program**

CCC is a resource for anyone in the SMU community to refer students of concern to the Office of the Dean of Students. The online referral form can be found at [smu.edu/deanofstudentsccc](http://smu.edu/deanofstudentsccc). After a referral form is submitted, students will be contacted to discuss the concern, strategize options, and be connected to appropriate resources. Anyone who is unclear about what steps to take if they have concerns about students should either consult the CCC Reference Guide or contact the Office of the Dean of Students at 214-768-4564.

### **Campus Concealed Carry**

In accordance with Texas Senate Bill 11, also known as the 'campus carry' law, and following consultation with entire University community, SMU chooses to remain a weapons-free campus. Specifically, SMU prohibits possession of weapons (either openly or in a concealed manner) on campus. For more information, please see: [http://www.smu.edu/BusinessFinance/Police/Weapons\\_Policy](http://www.smu.edu/BusinessFinance/Police/Weapons_Policy).

### **Americans With Disabilities Act**

Students who need academic accommodations for a disability must first register with Disability Accommodations & Success Strategies (DASS). Students can call 214-768-1470 or visit <http://www.smu.edu/Provost/SASP/DASS> to begin the process. Once they are registered and approved, students then submit a DASS Accommodation Letter through the electronic portal, DASS Link, and then communicate directly with each of their instructors to make appropriate arrangements. Please note that accommodations are not retroactive, but rather require advance notice in order to implement.

### **Religious Observance**

Religiously observant students wishing to be absent on holidays that require missing class should notify their professors in writing at the beginning of the semester and should discuss with them, in advance, acceptable ways of making up any work missed because of the absence. Click here for a list of holidays.

### **Excused Absences for University Extracurricular Activities**

Students participating in an officially sanctioned, scheduled university extracurricular activity should be given the opportunity to make up class assignments or other graded assignments that were missed as a result of their participation. It is the responsibility of the student to make arrangements for make-up work with the instructor prior to any missed scheduled examinations or other missed assignments. (See 2020-2021 SMU Undergraduate Catalog under “Enrollment and Academic Records/Excused Absences.”)

### **Sexual Harassment**

All forms of sexual harassment, including sexual assault, dating violence, domestic violence and stalking, are violations of SMU’s Title IX Sexual Harassment Policy and may also violate Texas law. Students who wish to file a complaint or to receive more information about the grievance process may contact Samantha Thomas, SMU’s Title IX Coordinator, at [accessequity@smu.edu](mailto:accessequity@smu.edu) or 214-768-3601. Please note that faculty are mandatory reporters. If students notify faculty of sexual harassment, faculty must report it to the Title IX Coordinator. For more information about sexual harassment, including resources available to assist students, please visit [www.smu.edu/sexualmisconduct](http://www.smu.edu/sexualmisconduct).

### **Pregnant and Parenting Students**

Under Title IX, students who are pregnant or parenting may request academic adjustments by contacting Elsie Johnson ([elsiej@smu.edu](mailto:elsiej@smu.edu)) in the Office of the Dean of Students, or by calling 214-768-4564. Students seeking assistance must schedule an appointment with their professors as early as possible, present a letter from the Office of the Dean of Students, and make appropriate arrangements. Please note that academic adjustments are not retroactive and, when feasible, require advance notice to implement.

### **Academic Integrity**

It is the philosophy of Southern Methodist University that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

Students caught being academically dishonest shall receive a grade of F for this course.

### **University Honor Code**

When you signed your letter of intent to enroll in the MSDS program, you initialed the following statement:

“I have read and agree to abide by the SMU Honor Code available online at:  
<https://www.smu.edu/StudentAffairs/StudentLife/StudentHandbook/HonorCode>”

The Honor Code is taken seriously at all levels within the university. Students that are found to have violated the honor code will be disciplined which often includes expulsion from the university.

## **Plagiarism**

Plagiarism is the “practice of taking someone else’s work or ideas and passing them off as one’s own” (this definition is from Google Dictionary). An example of plagiarism is as follows:

A regression is a statistical analysis assessing the association between two variables. It is used to find the relationship between two variables.

The following is NOT plagiarism:

“A regression is a statistical analysis assessing the association between two variables. It is used to find the relationship between two variables.” (<https://www.easycalculation.com/statistics/learn-regression.php>).

The difference is in the punctuation and the attribution. Note that one can self-plagiarize. If you are using something that you wrote (e.g. a blog or a previously published article), please reference yourself.

**DO NOT PLAGIARIZE.** If you have any question as to what is and what is not plagiarism, ask your instructor. As a general rule, always use your own words and cite your source.

The consequence for being caught plagiarizing is to earn at least a zero on the identified assignment and may include earning a course grade of F and a referral to the SMU Honor Council for your Honor Code violation.

## **Best Practices for Success in the Course**

*Attendance.* Take responsibility for your commitment. Attendance means not only being there for synchronous sessions but also participating in asynchronous work.

*Citizenship.* You need to be actively engaged to succeed in this class. Talking on cell phones, texting, “facebooking,” tweeting, or leisure web browsing are prohibited in class. I consider these to be a disruption (not to mention rude).

*Integrity.* A lot of the graded work occurs outside of class, so I expect honesty and integrity in what you submit for evaluation. Evidence of academic dishonesty will minimally result in zeros for all involved parties, and perhaps University-level disciplinary action. Don’t risk your career.

*Humility.* Don’t get lost! Ask questions in class. If something isn’t clear to you, it probably isn’t clear to others either. Questions may arise because I haven’t made a connection clear or have inadvertently left out an important point. Your question gives me a chance to explain more clearly. Don’t be proud or shy.

*Organization.* Don’t procrastinate! This is a technology-driven course. Count on your computer failing or your wireless connection breaking the night before a due date. Start early and give yourself a chance to succeed.

*Deadlines.* You will generally have a week to complete an assignment. Due dates and times will be clearly indicated. Late submissions will be penalized, but it is much better to turn in work late than not at all (or to turn in incomplete/sloppy work). Work turned in after solutions have been posted to the course website will receive no credit.

*Getting help.* If questions arise while doing assignments/exams, do your best to resolve these questions before the assignment is due, first by taking time to seek answers yourself, next by asking questions on the wall, and finally via email to your instructor or other students. I encourage you and expect you to seek help. For questions during exams, please email the live session instructor directly.

*Collaboration.* I encourage the formation of study groups and collaboration with your fellow students in tackling the assignments. Working together in groups on homework is permitted, even encouraged. However, every student

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should write up and complete his or her homework independently. Talking about problems with other people does help in learning, but just copying the solutions from one another doesn't help!

*Looks do matter!* All assignments must be NEATLY executed and organized. You risk a zero on any assignment submitted in a sloppy manner. See submission guidelines for more detail.

*Have Fun!* Learning is meant to be a fun activity. While it can be difficult, time consuming, frustrating, and sometimes disappointing, always seek to find the fun in what you are doing and learning. The gratification from learning complex concepts and applying them to solve hard problems is what we are all striving to achieve. Having fun while we are learning and teaching others just makes the learning easier and friendships better.



## MSDS 6130 Fall 2021 Term

### Section Instructor Contact Information

**Instructor:** Jacquie Cheun, PhD  
**Email:** [Jcheun@mail.smu.edu](mailto:Jcheun@mail.smu.edu)  
**Office Hours:** Upon Request

### Assignment Schedule

Table 3: Assignment Schedule for this Section of this Course

<u>Assignment</u>	<u>Due Date</u>
Draft 3 of Paper	Feb 20
Recording of Presentation	Feb 27
Peer Review of Presentation	March 6
Final Presentation in Box	March 17
Presentation at Immersion	March 18
Final Draft of Paper	April 3
Submit Paper to Journal	April 11

### Assignment Expectations and Grading Rubrics Summary

The primary work deliverables for this course are the paper drafts, final paper, as well as an oral and poster presentation during the immersion. During the term of this course: Paper Draft Three, Presentation Drafts and the Final Paper are submitted and graded. More details associated with all drafts and the Capstone Projects are provided in a separate document and by the instructor. All questions regarding the projects and drafts should be directed to the course instructor.

All paper drafts and the final submitted Capstone paper use the same template. The template is provided in Word format by the instructor. You are expected to use, and follow without modification, the provided templates.

#### Paper Draft Three

*Draft Three is meant to be a complete and polished paper that is ready for publication.* In Draft Three, you will use the given template, and you will have documented, in well-polished prose and figures and tables, the problem, the solution, and how you measure your solution's goodness that you have completed for your Capstone. Draft Three includes completed Abstract and Introductions, literature review, methods, solution approach, data, all results, analysis of those results, discussion, ethics, and final conclusions (not just a summary of the work).

It is strongly recommended that you have someone who is not on your team read and comment on your entire paper prior to your Draft Three submission. Remember: *Your Paper is targeted at a general technical audience (think – students who are just beginning the MSDS program, but have yet taken any classes in the program).*

Draft Three is expected to be at least fifteen (15) pages in length.

1. The Abstract should be a well-written 200-word executive summary/elevator pitch of the paper.
2. The Introduction section should be a well-written 2 to 4 pages executive summary of the paper.
3. The Lit. Review sections should provide the reader with sufficient information to understand the problem, its domain, and the parts that are important for your problem and your work.
4. Your data should be well described including the attributes and the collection method. The solution, methodology, algorithms, etc. should be described sufficiently to allow a knowledgeable person reading the paper to be able to reproduce the results presented in the paper.
5. The results should be presented in a coherent fashion. Tables and graphs should be easily readable and not require the reader to spend more than about five seconds looking at the table or figure to understand the point being made by the table or figure. The analysis should be supported by the presented results.
6. The discussion needs to have the meaning of your solution and application of your results. Present the importance of the research and the interpretation of the findings. Ethics section as well.
7. The ethical discussion, assuming the work is not directed specifically towards ethics, should be at least one page in length and consider as many aspects of potential ethics issues as possible.

8. The conclusions should be conclusions based upon the analysis and not either summary or analysis. All conclusions must be supported by what is presented in the paper.

The story told in Draft Three must be coherent, sequential, and without missing steps. The story must be compelling and hold the interest of the reader, particularly your instructor.

As a paper that is expected to be publishable as is, Draft Three should be written with good grammar and correct formatting. It is expected to be a document in final form. All citations should be correctly used (citations are always contained within the same sentence that they are citing, i.e., the citations come before the period ending the sentence – preferably right next to the words needing to be cited). **Plagiarism in Draft Three will result in a grade of ‘F’ for the course and a referral to the SMU Honors Council for an Honor Code violation.**

### Advisors Sign-off

Your Advisors must sign off on Draft 3 of your paper. This means that you can put their name on the paper.

Table 4 contains the grading rubric used for Draft Three.

Table 4: Draft Three Grading Rubric

Component	Percent of Draft 3 Grade
Using the Correct Template	10%
Clear Problem Statement	10%
Abstract and Introduction	10%
Literature Review	10%
Completed Methods	10%
Completed Results	10%
Completed Discussions with Ethics	20%
Completed Conclusion	10%
Spelling & Grammar	10%

### Paper Final

The Final Paper is publishable in the SMU Data Science Review-Journal. All reviewer comments made during the review process are to be addressed and corrected as appropriate. The final paper is submitted to the SMU Data Science Review-Journal.

The Final Paper is expected to be at least fifteen (15) pages in length, excluding any appendices. The Abstract should be a well-written 200 word executive summary/elevator pitch of the paper. The Introduction section should be a well-written 2 to 4 page executive summary of the paper. The tutorial sections should provide the reader with sufficient information to understand the problem, its domain, and the important parts for your problem and your work. Your data should be well described including the attributes and the collection method. The solution, methodology, algorithms, etc. should be described sufficiently to allow a knowledgeable person reading the paper to be able to reproduce the results presented in the paper. The results should be presented in a coherent fashion. Tables and graphs should be easily readable and not require the reader to spend more than about five seconds looking at the table or figure to understand the point being made by the table or figure. The analysis should be supported by the presented results. The discussion should be at least one page in length discussing application, improvements that could be made to the study, and the importance of the study. The ethical discussion, assuming the work is not directed specifically towards ethics, should be at least one page in length and consider as many aspects of potential ethics issues as possible. The conclusions should be conclusions based upon the analysis and not either summary or analysis. All conclusions must be supported by what is presented in the paper.

The story told in Draft Three must be coherent, sequential, and without missing steps. The story must be compelling and hold the interest of the reader, particularly your instructor. **Plagiarism in the Final Paper will result in a grade of ‘F’ for the course and a referral to the SMU Honors Council for an Honor Code violation.**

Table 5 contains the grading rubric used for Draft Three.

Table 5: Final Paper Grading Rubric

Component	Percent of Final Paper Grade
Publishable in the SMU Data Science Review Journal by Due Date	100%

### Recording & Peer Review of Presentation

The recording of the presentation is aimed to practice the presentation prior to the Immersion. Groups should have a completed presentation, recorded and submitted to 2DS via a discussion post (1 per group). With the Title as the discussion name with the students in the group and a link to the recording in the post. All group members must present at Immersion and on the recording. After recording is submitted then each student must review 4 different groups presentations. Each student must respond with at least 100 words of feedback.

Recording Presentation Rubric

<u>Component</u>	<u>Percent of Final Paper Grade</u>
Used Template & Within time	20%
All required slides	20%
All group members presented	20%
Story Telling	20%
Spelling & Grammar	20%

\*\*Each peer-reviewed presentation is worth 25% of the total peer review of presentation grade.

### Presentation at Immersion

The Presentation is a 10-minute slide presentation to be made at the MSDS conference held during this term. The Presentation will tell the complete story of your Capstone in 20-40 slides with the first slide being the title slide that contains the title of your Capstone work and all authors, including your advisor(s). During the slides being presented, all slide advancements will be automatic. If they are not automatic, then it will be reduction of 50% of the presentation grade. All group members must present in the presentation.

Table 6 contains the grading rubric used for the Presentation.

Table 6: Presentation Grading Rubric

<u>Component</u>	<u>Percent of Final Paper Grade</u>
Presented at Immersion in at least 10 minutes	50%
All required slides	10%
All group members presented	10%
Story Telling	25%
Spelling & Grammar	5%

## Tentative Timeline for Capstone B

Week	Topic	Assignments
1 –Jan 3	Live Session: Discussion Section	Must meet with the Professor <b>before 1/16</b> to discussion Draft 2 feedback and presentations
2 – Jan 10	Live Session: Conclusion & Immersion	
3 – Jan 17	Live Session: Data Ethics	
4- Jan 24	Meet with your advisor	
5 – Jan 31		
6 – Feb 7		
7 – Feb 14		Draft 3 of Paper Due Feb 20
8 – Feb 21	Meet with Professor 2/20-3/6 to discuss Presentation & Draft 3	Recording of Presentations due Feb 27
9 – Feb 28		
10 –Mar 7		Feedback of Presentation due March 6
11 – Mar 14	<b>Final Presentation in Box by March 17th</b> <b>Attend Immersion (In-Person) on March 18th</b>	
12 – Mar 21		
13 –Mar 28		
14 – Apr 4		Final Draft Submitted on 2DS Apr. 3
15- Apr 11	Once Final draft of 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. 11th	

\*\*This is a tentative schedule; the instructor may reserve the right to change or modify as needed.

\*\* Meeting with Advisor should happen throughout the course.