MIS 691: Decision Support Systems

Fall 2022[1]

Schedule # 22639: 19:00 – 21:40 (M), SSW-2650[2]

COURSE INFORMATION

Instructor: Professor Vivian L. Huangfu[3]   Email: fcbmisdss@sdsu.edu [4]

ONLINE OFFICE HOURS[5]

There are three types of **ONLINE** office hours: regular 45-minute office hours (Type-1), regular 30-minute office hours (Type-2), or by appointment (Type-3).

For regular 45-minute online office hours (Type-1), there are two available time slots from below.

> (1) Option 1: Tuesday 12:30 PM – 01:15 PM (Teaching Assistant)
>
> (2) Option 2: Friday 12:30 PM – 01:15 PM (Professor)

Please go to Canvas, click "Pages" on the left panel, then click corresponding "Type-1 Online Office Hours (Request Form)". Please fill in the form ahead of time (at least 1 business day (24 hours) in advance).

For regular 30-minute online office hours (Type-2), there are two time slots from below.

> (1) Option 1: Thursday 01:00 PM – 01:30 PM (Teaching Assistant)
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> (2) Option 2: Friday 10:30 AM – 11:00 AM (Teaching Assistant)

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[1] Last updated August 17, 2022

[2] Mode of delivery: Lecture, discussion, lab, online meetings, face-to-face

[3] Preferred pronouns: She, her, hers

[4] Please do not send us an email via Canvas; we will never reply to an email that is sent via Canvas

[5] Office location: online, please go to Canvas "Home", then click on "Zoom Link"

Please go to Canvas, click "Pages" on the left panel, then click corresponding "Type-2 Online Office Hours (Request Form)". Please fill in the form ahead of time (at least 1 business day (24 hours) in advance).

For an online office hour by appointment, time can be selected (students should provide AT LEAST THREE 30-minute time slots on **DIFFERENT**[6] business days), and confirmation is required.

Please go to Canvas, click "Pages" on the left panel, then click "Type-3 Online Office Hours (Request Form)". Please fill in the form ahead of time (at least 3 business days (72 hours) in advance).

These three types of office hours are provided to reduce the difficulty of scheduling and increase flexibility to satisfy different student situations.

When it's time, please go to Canvas "Home", then click on "Zoom Link" to attend confirmed office hours. Please be **ON TIME** for the appointment. After 15 minutes, appointment time will be considered void and closed.

COURSE OVERVIEW

Catalog description: This course will teach how to generate and analyze business value through analysis and design of information systems to solve problems and exploit opportunities. System analysis and design is an applied discipline. This course is relevant for anyone wishing to improve their system modeling, system analysis, system design, project management, or system development managerial skills.

PROGRAM AND COURSE STUDENT LEARNING OUTCOMES

Program learning goals: This course is part of the MSIS degree program, and MSIS students will

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[6] For example, Tuesday and Wednesday are different days

graduate being effective communicators, critical thinkers, able to analyze ethical problems, global in their perspective, and knowledgeable about the essentials of business. MIS 691 contributes to these goals through its student learning outcomes.

Student learning outcomes: This course covers the principles of decision making and decision support system. At the end of this course, students will be able to perform and explain the following:

- Understand psychology of judgment and decision making
- Gather data and conduct data analysis for decision support systems
- Design and analyze decision support systems
- Model data and process to create business decision support systems for values
- Plan, schedule, monitor, and report project
- Maintain clear and thorough documentation

PREREQUISITES

Prerequisites: None; approved upper-division business major, business minor, or another major approved by the Fowler College of Business.

COURSE MATERIALS

Reference materials:

No textbook is required. The following textbooks are recommended but not required:

- The Psychology of Judgment and Decision Making, Scott Plous
- Business Analytics: Data Analysis and Decision Making, S. Christian Albright and Wayne L. Winston
- Behavioral Finance: Psychology, Decision-Making, and Markets, Lucy F. Ackert and Richard Deaves

Course web pages (Platform):

Canvas: https://sdsu.instructure.com/
Repl.it IDE: https://repl.it
Online Socrative quiz: https://socrative.com/ (Room Name: FALL2022)
Online Kahoot! quiz: https://kahoot.it/

ASSESSMENTS AND GRADING

During the semester, the course will feature multiple in-class labs that will be taught during the scheduled class time. Normally, students can finish certain parts of the in-class lab within the given time.

Throughout the semester, presentations will be assigned in lieu of assignments and in-class labs. Students need to sign-up to give at least one presentation. All presentations are required; all evaluations for presentations are mandatory.

There are two types of deadlines, including soft deadlines (only for ***final paper*** and ***in-class labs***) and strict deadlines.

For both soft and strict deadlines, submission through email will NOT be accepted (will NOT be graded).

If the documents for submission are too large for Canvas, students can upload to *google drive* or *dropbox* and post the shared link in Canvas. It is the student's responsibility to make sure the shared link works.

For ***strict deadlines***: due by 11:59 PM on the indicated deadline, 0 points for being late.

For ***soft deadlines***: due by 11:59 PM on the indicated deadline, which will be stated in the released version. Late work will incur a penalty of 25% for every day that it is late. For example, an assignment submitted at 12:00 AM on the day immediately following the due date (1 minute late) would incur a penalty of 25%.

In-class quizzes, including ***Socrative*** (regular) and ***Kahoot!*** (bonus) quizzes, will be given in class during the semester. In-class quiz dates will NOT be announced in advance. If a student misses a Socrative quiz on a particular day, the student will lose the points not only for the quiz but also for the quiz attendance.

Components			Points		Total
Regular	In-class Socrative Quizzes	Socrative quiz participation[7]	75 points (0.5 points/wrong answer, remaining for quiz participation)	Part I – V (5 parts in total) 15 points/Part	1,000 points
		Socrative quiz answers			
	In-class Labs		45 points		
	Exams[8]	Exam I	115 points		
		Exam II	240 points		
		Exam III	275 points		
	Project	Presentation I	25 points		
		Presentation II	25 points		
		Presentation III	25 points		
		Final Paper	115 points		
		Final Paper Review	30 points		
	Evaluations	Evaluation I	10 points		
		Evaluation II	10 points		
		Evaluation III	10 points		

Final letter grade	Minimum points required
A	940
A-	900
B+	880
B	840

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[7] For the first Socrative quiz, since there is no right or wrong answers; as long as you fill in your true information, you should be fine.
[8] The original Exam test time is 100 minutes, which will be automatically extended to 150 minutes, with or without accommodation letters.

B-	800
C+	780
C	740
C-	700
Earning fewer than 700 points results in an F	

Grades in MIS 691 are based only on your total points and are NOT "rounded up" when determining your final letter grade. Thus, an 899 is B+, not an "A-". If you think you might be a borderline grade, make sure you put in the effort to complete all assignments, extra credit, etc. For more details about GPA calculation, please see here: https://gradecalc.info/us/ca/sdsu/gpa_calc.pl.

TENTATIVE SCHEDULE OF TOPICS[9]

Part	Week	Date	Topics	Chapters/Goals
P A R T I	1	08/22/2022 (Online)	Course outline; self-introduction	Chapter 1: Course Introduction
	2	08/29/2022 (Online)	Fundamentals of solving problems, thinking critically, and decision making	Chapter 2: Introduction to Decision Analysis
P A R T II	~~3~~	~~09/05/2022~~	~~NO CLASS: Labor Day~~	
	4	09/12/2022	Perception, memory, and making choices Lab 1	Chapter 3: Behavioral Science for Decision Making Lab 1
	5	09/19/2022	Exam I review Presentation I Evaluation I	**Chapter 1 – 3 Lab 1**
P A R T III	6	09/26/2022	Exam I	**Chapter 1 – 3 Lab 1**
	7	10/03/2022	Elements of decision problems, modeling uncertainty	Chapter 4: Modeling Decisions
	8	10/10/2022	Probability basics, using data, value of information	Chapter 5: Decision Making Process
P A R	9	10/17/2022	*Lab 2* Exam II Review	*Lab 2* Chapter 1-5 Lab 1 - 2
R	10	10/24/2022	Presentation II	

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[9] Instructor reserves the right to make changes in the schedule, as appropriate, based on the specific course situation, student feedback, and class level.

			Evaluation II	Chapter 1 – 5
T IV	11	**10/31/2022**	**Exam II**	**Chapter 1 – 5**
	12	11/07/2022	Data processing, data analysis, data mining for decision making	Chapter 6: Data Processing for Decision Making
P A R T V			Business decision making, such as healthcare, artificial intelligence	Chapter 7: Business Decision Making
	13	11/14/2022	*Lab 3*	*Lab 3*
	14	11/21/2021	Exam III Review / Presentation III / Evaluation III / Final Paper Due	**All chapters** **All labs**
	15	11/28/2022	Presentation III / Evaluation III	**All chapters** **All labs**
	16	12/05/2022	Exam III / Final Paper Review Due	**All chapters** **All labs**

TENTATIVE PROJECT TIME/SIGN-UP TIME

Project	Time/Sign-up Time
Presentation I (Announcement)	09/02/2022 (F) 10:00 AM
Presentation I (Sign-up)	09/08/2022 (TH) 10:00 AM – 09/09/2022 10:00 PM
Presentation II (Announcement)	10/07/2022 (F) 10:00 AM
Presentation II (Sign-up)	10/13/2022 (TH) 10:00 AM – 10/14/2022 10:00 PM
Presentation III (Announcement)	11/04/2022 (F) 10:00 AM

Presentation III (Sign-up)	11/10/2022 (TH) 10:00 AM – 10:00 PM (the same day)

COURSE POLICIES

Taking an Exam

To take an exam, students must log into Canvas through the Respondus Lockdown browser.

Missed Socrative Quiz

In order to make up Socrative Quiz:

Step 1: you must send an email BEFORE the class and explain why you are not able to make it

Step 2: you must send legitimate documents via email within 2 weeks. It's better to send the legitimate documents before the class; however, in special occasions when you are not able to obtain the documents in time, it can be submitted within 2 weeks after the class. The sooner, the better

Step 3: please schedule Socrative make-up via the request form at least 72 hours in advance and make up the quiz within 3 weeks. The sooner, the better.

How to make up the first Socrative quiz (different from other Socrative quizzes):

Step 1: students are required to attend office hours within 2 weeks via submitting request form to make sure they understand the syllabus

Step 2: students can only make up for the first Socrative quiz at the end of this semester, on the condition that students have participated in all other Socrative quizzes

Missed Exams

If a student has to miss an exam due to an emergency:

Step 1: you must fill in an exam make-up form on Canvas at least 1 business day BEFORE the scheduled exam to explain why you are not able to make it

    Step 1.1: In this form, for Exam I & II, you are required to provide AT LEAST THREE available time slots (the length of each time slot should be equal to or greater than the length of the exam) on DIFFERENT days for the make-up exam within 72 hours after the regularly scheduled exam time

    Step 1.2: For Exam III, you are required to provide AT LEAST THREE available time slots (the length of each time slot should be equal to or greater than the length of the exam) on DIFFERENT days for the make-up exam within 24 hours after the regularly scheduled exam time

Step 2: you must send legitimate documents via email within 1 week. It's better to send the legitimate documents before the make-up exam; however, in special occasions when you are not able to obtain the

documents in time, it can be submitted within 1 week after the regularly scheduled exam time. The sooner, the better

A confirmation email from the instructor should be received to proceed; If the student misses the exam without permission, the student will receive 0 points for that exam.

Assignment Scheduling Conflicts

Make-up assignments or extensions will be offered only for absences that are legitimate, documented, and verifiable, such as doctor visits, job interviews, and religious observances. If you know that you will be unable to complete an assignment at the specified time, please provide notice immediately and in advance of the due date if possible. Communicating these conflicts in a timely manner is your responsibility.

Classroom Conduct Standards

SDSU students are expected to abide by the terms of the Student Conduct Code in classrooms and other instructional settings. Prohibited conduct includes:

- Willful, material and substantial disruption or obstruction of a University-related activity, or any on-campus activity.
- Participating in an activity that substantially and materially disrupts the normal operations of the University, or infringes on the rights of members of the University community.
- Unauthorized recording, dissemination, or publication (including on websites or social media) of lectures or other course materials.
- Conduct that threatens or endangers the health or safety of any person within or related to the University community, including
    1. physical abuse, threats, intimidation, or harassment.
    2. sexual misconduct.

Violation of these standards will result in referral to appropriate campus authorities.

Religious Observances

According to the University Policy File, students should notify the instructors of affected courses of planned absences for religious observances by the end of the second week of classes.

Medical-related Absences

Students are instructed to contact their professor/instructor/coach in the event they need to miss class, etc. due to an illness, injury or emergency. All decisions about the impact of absence, as well as any arrangements for making up work, rest with the instructors. Student Health Services (SHS)

(https://sa.sdsu.edu/student-health-services) does not provide medical excuses for short-term absences due to illness or injury. When a medical-related absence persists beyond five days, SHS will work with students to provide appropriate documentation. When a student is hospitalized or has a serious, ongoing illness or injury, SHS will, at the student's request and with the student's consent, communicate with the student's instructors via the Vice President for Student Affairs and may communicate with the student's Assistant Dean and/or the Student Ability Success Center (http://go.sdsu.edu/student_affairs/sds/).

Economic Crisis Response Team

If you or a friend are experiencing food or housing insecurity, or any unforeseen financial crisis, visit sdsu.edu/ecrt, email ecrt@sdsu.edu, or walk-in to Well-being & Health Promotion on the 3rd floor of Calpulli Center.

STUDENT PRIVACY (FERPA) AND INTELLECTUAL PROPERTY

The Family Educational Rights and Privacy Act (FERPA) (https://bfa.sdsu.edu/oerc/students/ferpa) mandates the protection of student information, including contact information, grades, and graded assignments. Instructor will use Canvas to communicate with you, and I will not post grades or leave graded assignments in public places. Students will be notified at the time of an assignment if copies of student work will be retained beyond the end of the semester or used as examples for future students or the wider public. Students maintain intellectual property rights to work products they create as part of this course unless they are formally notified otherwise.

STUDENT ACCOMMODATIONS

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact Student Ability Success Center at (619) 594-6473. To avoid any delay in the receipt of your accommodations, you should contact Student Ability Success Center (http://go.sdsu.edu/student_affairs/sds/contactinfo.aspx) as soon as possible. Please note that accommodations are not retroactive, and that I cannot provide accommodations based upon disability until I have received an accommodation letter from Student Ability Success Center. Your cooperation is appreciated.

ACADEMIC HONESTY

Any academic misconduct will be handled according to the judicial procedures. Executive Order 969 by the Office of the Chancellor requires all instructors to report any incident of academic dishonesty to the Center of Student Rights and Responsibilities. The SDSU Standards for Student Conduct includes

the following unacceptable misconduct: cheating, fraud, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantages (https://newscenter.sdsu.edu/student_affairs/srr/conduct.aspx).

These activities will not be tolerated in this class. Become familiar with the policy. Any cheating or plagiarism will result in failing the course.

Examples of Plagiarism include but are not limited to:

- Using sources verbatim or paraphrasing without giving proper attribution (this can include phrases, sentences, paragraphs and/or pages of work)
- Copying and pasting work from an online or offline source directly and calling it your own
- Using information you find from an online or offline source without giving the author credit
- Replacing words or phrases from another source and inserting your own words or phrases
- Submitting a piece of work you did for one class to another class

If you have questions on what plagiarism is, please consult the policy (https://newscenter.sdsu.edu/student_affairs/srr/conduct.aspx) and this helpful guide from the Library (https://sdsu.libwizard.com/f/Plagiarism-tutorial).

Unauthorized recording or dissemination of virtual course instruction or materials by students, especially with the intent to disrupt normal university operations or facilitate academic dishonesty, is a violation of the Student Conduct Code. This includes posting of exam problems or questions on online platforms. Violators may be subject to discipline.

COMMUNICATION

Students are provided with an SDSU Gmail account, and this SDSU email address will be used for all communications. University Senate policy notes that students are responsible for checking their official university email once per day during the academic term. For more information, please see Student Official Email Address Use Policy below:

https://senate.sdsu.edu/policy-file/policies/facilities#collapsed20e126_12.

LAND ACKNOWLEDGMENT

For millennia, the Kumeyaay people have been a part of this land. This land has nourished, healed, protected and embraced them for many generations in a relationship of balance and harmony. As members of the San Diego State University community, we acknowledge this legacy. We promote this balance and harmony. We find inspiration from this land; the land of the Kumeyaay.

TURNITIN

Students agree that by taking this course, all required papers may be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. You may submit your papers in such a way that no identifying information about you is included. Another option is that you may request, in writing, that your papers not be submitted to Turnitin.com. However, if you choose this option, you will be required to provide documentation to substantiate that the papers are your original work and do not include any plagiarized material.