

San José State University
School of Business / Department of Transportation Management

MTM 201: The Fundamentals of Transportation

Section 001

Fall 2017

Course and Contact Information

Instructor:	Joseph Kott, PhD, AICP, PTP
Office Location:	Mineta Transportation Institute, 210 N. 4 th St., 4 th Floor, San Jose
Telephone:	650-814-0961
Email:	Joseph.Kott@sjsu.edu
Office Hours:	1-3pm Wednesdays via Skype (joseph.kott) or Google Chat (Joseph.Kott@sjsu.edu) or by appointment
Class Days/Time:	5:30pm - 9:00pm Wednesdays
Classroom:	Via videoconference

Course Format

MTM 201 is delivered via videoconference to video conference rooms across California. Students in the Bay Area may choose instead to attend in person in the Caltrans District 4 Video Conference Room, 111 Grand Ave, Oakland, CA 94612

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the course site on SJSU Canvas. You are responsible for regularly checking this site to learn of any updates.

Course Description

Provides a common core of surface transportation knowledge for further MS/TM courses. Includes discussion of the historic development of transportation economics, policy and culture. Reviews stakeholders whose commitment is necessary to create and sustain a successful transportation entity.

Course Goals

The overall goal for this course are to provide students with a general overview of managing contemporary transportation agencies.

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

Develop a system-level and global perspective on the management of transportation organizations.

- Learning Objective 1: Student can demonstrate ability to analyze and discuss transportation management issues from a system-level perspective.
- Learning Objective 2: Students can compare and evaluate transportation systems in an international context.

Required Texts/Readings/Videos

Textbook

None. All readings are available online (see reading assignments, p. 7 and 8).

Other Readings

All readings will be uploaded to Canvas (see reading assignments, p. 7 and 8).

Videos

The url for any videos students watch at home and some that the students will watch in class is listed in the course schedule below. The instructor will also show one video, *Beyond the Motor City: A Documentary Film About the Past and Future of Transportation*, in class in dvd format.

Library Liaison

Diana Wu (diana.wu@sjsu.edu) 408-808-2087

Course Requirements and Assignments

Student assignments in this course comprise readings, preparing two brief Reading Memos, viewing several videos, completing a take home midterm and final exam, creating and uploading to SJSU Canvas a maximum of a ten (10) slide PowerPoint presentation on your term paper topic, and preparing a term paper. Details are as follows:

Reading Assignments and **Videos** are discussed under Required Texts/Readings/Videos Section above.

The **Mid-Term Examination** will comprise a choice of five (5) out of seven (7) short answer questions, no more than one (1) to two (2) pages of 11.5 or 12 point font and 1.5 or 2.0 line spacing for each answer. Students will be tested on readings, lectures, and videos for the first five (5) weeks of class. Conciseness is encouraged.

The **Final Examination** is described in the section to follow.

Each student will prepare and upload to SJSU Canvas a maximum 10-slide **PowerPoint Presentation** on her/his term paper topic. All students will be required to view each of the PowerPoint presentations of the other students and be prepared to ask questions or comment in class about the PowerPoint Presentations. Each student should be prepared to answer and discuss his/her PowerPoint presentation

The **Term Paper** will comprise a scholarly discussion of a topic covered in the course that is of interest to the student. Each Term Paper will include a literature review and bibliography (list of reference) on the topic selected. In addition, all Term Papers should be formatted in a scholarly format, such as APA Sixth Edition, the Chicago Manual of Style, or MLA. Good examples of formatting and citations under each of these is available online at Purdue Owl: <https://owl.english.purdue.edu/owl/section/2/>. Terms Papers should be between 12 to 15 pages in length, exclusive of the bibliography and appendices if any. Students should use either an 11.5 or 12 points font and either a one and a half or double line spacing. Due dates for the selection of topic, the Term Paper outline, and the completed Term Paper are specified in the course schedule on pages 7 and 8. Further information on the Term Paper will be posted on Canvas and presented in class.

MTM 201 is a 3-unit course that satisfies the Graduation Writing Assessment Requirement (GWAR). The Term Paper assignment within MTM 201 meets the GWAR requirement, as follows:

1. The Term Paper counts for 30% of final grade
2. The Term Paper is at least 3000 words long
3. The Term Paper is an individual (rather than group) project
4. The Term Paper is written according to professional standards, e.g., referencing

In order to meet the GWAR requirement, students must receive at least a “C” grade on the Term Paper portion of this course. Students who receive a grade below “C” for this part of the course will not meet the GWAR requirement, even if their overall grade for the course is higher. Please check with me if you are unclear about these requirements.

Reading Memo #1 and **Reading Memo #2** summarize highlights and present a few student observations or perspectives on the assigned readings. Reading Memo #1 will cover the first four (4) weeks of course readings and Reading Memo #2 the second four weeks of course readings. Each Reading Memo should be at least one (1) page, but no more than two (2) pages in length. Students should use either an 11.5 or a 12 points font and either one and a half or double line spacing.

All of the above assignments will contribute to or align with Learning Objective 1: Student can demonstrate ability to analyze and discuss transportation management issues from a system-level perspective. The Mid-Term and Final Examinations and the Reading Memos will contribute to align with Learning Objective 2: Students can compare and evaluate transportation systems in an international context. Depending on topic chosen, the Term Paper and TED Talk may contribute to or align with this Learning Objective.

Final Examination or Evaluation

The Final Examination will be posted on Canvas one week before the due date. All questions will be short answer and students will have a choice of six out of a possible eight questions to answer. Students will be limited to at least one (1) page and no more than two (2) pages of 11.5 or 12-point font and either 1.5 or 2.0 line spacing for each answer. Conciseness is encouraged. Answers must be uploaded to Canvas by students no later than 5:30 pm, October 5th. A rubric about assessment components for the Final Examination will be posted on Canvas at least one week before the Final Examination is due.

Grading Information

Grading rubrics will be posted on Canvas at least two (2) weeks before the due date for each assignment with the exception of the Term Paper. The rubric for the Term Paper will be posted on Canvas at least four (4) weeks before the due date.

GRADE DISTRIBUTION

Task	% of Course Grade
MID TERM EXAM	20%
FINAL EXAM	20%
POWERPOINT	10%
TERM PAPER	30%
READING MEMO #1	10%
READING MEMO #2	10%
TOTAL	100%

Determination of Grades

- The letter grade calculation is shown in the table below:

Percentage	Grade
94% and above	A
93% - 90%	A-
89% - 87%	B+
86% - 84%	B
83% - 80%	B-
79% - 77%	C+
76% - 73%	C
72% - 70%	C-
69% - 67%	D+
66% - 63%	D
62% - 60%	D-
below 60%	F

Classroom Protocol

Lucas College and Graduate School of Business: Program Goals and Class room policy

<http://www.sjsu.edu/cob/Students/policies/index.html>

This course is taught as a seminar. Students are therefore expected to complete assigned readings *before* the appropriate class meeting and participate extensively during class discussions. Please be respectful of your classmates during class and be aware that the camera and microphone are unforgiving documentation of your behavior! Use of electronic devices is permitted, providing it is for class-related material.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drops, academic renewal, etc. Information on add/drops are available at

<http://www.sjsu.edu/advising/faq/>

Information about late drop is available at

<http://www.sjsu.edu/aars/policies/latedrops/>. Students should be aware of the current deadlines and penalties for adding and dropping classes.

Assignments and Grading Policy

Class assignments and related Learning Outcomes are described on pages 2 and 3 above. Assignment due dates are specified in the Course Schedule on page 6, 7, and 8. There are no extra credit assignments or activities in this course. Late work without an excuse such as illness, bereavement, or other unanticipated and serious cause will be marked down in grade by one-third for each day late. No assignments will be accepted that are more than three (3) days late unless there is a serious excuse such as illness, bereavement, or other unanticipated cause.

University Policies

Academic integrity

Students should know the University's Academic Integrity Policy that is available at

<http://info.sjsu.edu/static/policies/integrity.html>

Your own commitment to learning, as evidenced by your enrollment at San Jose State University and the University's integrity policy, require you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The website for Student Conduct and Ethical Development is available at

<http://www.sjsu.edu/studentconduct/>

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this course, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include in your assignment any material you have submitted, or plan to submit for another course, please note that SJSU's Academic Policy F06-1 requires approval of instructors.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible,

or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the DRC (Disability Resource Center) to establish a record of their disability.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs Syllabus Information web page at <http://www.sjsu.edu/gup/syllabusinfo/>

Lucas College and Graduate School of Business:

Mission: We are the institution of opportunity in Silicon Valley, educating future leaders through experiential learning and character development in a global business community and by conducting research that contributes to business theory, practice and education.

MSTM Program Learning Goals

MSTM Program Learning Goals		
1	Management of Transportation Organizations: System and International	Develop a system-level and global perspective on the management of transportation organizations.
2	Transportation Policy	Develop an awareness of the transportation policy environment, including fiscal mechanisms, legislative structures, and intergovernmental coordination.
3	Leadership	Develop potential for leadership in transportation organizations.
4	Communication Skills	Develop written communication skills and techniques.
5	Analytical Skills	Develop ability to analyze management issues and situations using appropriate conceptual approaches.
6	Information Technology	Develop basic understanding of commonly used information technology applications used by the transportation industry.

MTM 201 / Fundamentals of Transportation, Fall A 2016

Course Schedule

This schedule is subject to change with fair notice given via an Announcement on Canvas.

Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
1	August 2 rd	<p>Introduction, Course Overview, and Course Requirements</p> <p>View and discuss in class two videos: <i>Beyond the Motor City: A Documentary Film about the Past and Future of Transportation</i> (2010)</p>
2	August 9 th	<p>The Performance of US Surface Transportation System</p> <p>Read <i>Mobility Scorecard</i> and <i>Developing Indicators for Comprehensive and Sustainable Transport Planning</i></p> <p>View at home and discuss in class <i>What to Do About US Infrastructure?</i> https://www.youtube.com/watch?v=Tjy3nic1q-8</p> <ol style="list-style-type: none"> The Challenge of Preserving Mobility and Pursuing Sustainability Ways to Measure Attainment of System Objectives
3	August 16 th	<p>Management in the Transportation Sector</p> <p>Read <i>Principles of Management</i> and <i>Public and Private Management</i></p> <ol style="list-style-type: none"> Models of Decision-making and Management Navigating Diverse Stakeholder Relationships and Expectations
4	August 23 rd	<p>Strategic Management of the Transportation System</p> <p>Read <i>Transportation for a New Generation</i> and <i>Caltrans Strategic Management Plan</i></p> <ol style="list-style-type: none"> From Linear Thinking to Systems Thinking in Transportation Constrained Resources, Complex Problems
5	August 30 th	<p>Intergovernmental Relationships in Transportation</p> <p>Read <i>Intergovernmental Challenges in Surface Transportation Funding</i></p> <ol style="list-style-type: none"> Intergovernmental Relationships, Collaboration, and Conflict Alternative Models for Intergovernmental Relationships <p>TERM PAPER TOPIC DUE BY 5:30 PM VIA E-MAIL MESSAGE READING MEMO #1 DUE BY 11:59 PM ON TUESDAY DAY, AUGUST 29th VIA UPLOAD TO SJSU CANVAS</p>

Week	Date	Topics, Readings, Assignments, Deadlines
6	September 6 th	<p>Public Transportation Management and Assessment</p> <p>Read <i>A Guidebook for Developing a Transit Performance-Measurement System</i></p> <p>View at home and discuss in class <i>Taken for a Ride (1996)</i></p> <p>https://www.youtube.com/watch?v=p-I8GDklsN4</p> <ul style="list-style-type: none"> a. Model Choices b. Governance Choices
7	September 13 th	<p>Public – Private Partnerships</p> <p>Read <i>Public-Private Partnerships in U.S. Transportation: Research Overview and a Path Forward</i></p> <ul style="list-style-type: none"> a. Value Capture Opportunities for the Private Sector b. Public Sector Rewards and Perils <p>MID-TERM EXAM (TAKE HOME) DUE BY 11:59 PM ON TUESDAY, SEPTEMBER 12th VIA UPLOAD TO CANVAS</p>
8	September 20 th	<p>Transportation Funding in California</p> <p>Read <i>Transportation Funding in California 2015</i></p> <ul style="list-style-type: none"> a. Declining Motor Fuels Tax Revenue Meet Rising Surface Transportation Facilities and Services Needs b. Alternative Funding Strategies <p>FIRST ROUND OF STUDENT POWERPOINTS PRESENTATIONS DISCUSSED</p>
9	September 27 th	<p>Public Outreach and Stakeholder Engagement in Transportation</p> <p>Read <i>Use of Social Media in Public Transportation</i></p> <ul style="list-style-type: none"> a. Stakeholder Feedback in the Digital Age b. Balancing Effectiveness, Efficiency, Inclusiveness, and Consultation <p>SECOND ROUND OF STUDENT POWERPOINT PRESENTATIONS DISCUSSED</p> <p>READING MEMO #2 DUE BY 11:59 PM ON TUESDAY, SEPTEMBER 26th VIA UPLOAD TO CANVAS</p>
10	October 4 th	<p>The Future of Transportation</p> <p>Read <i>The Future of the Car</i></p> <p>View at home and discuss in class <i>The Future of Transportation</i></p> <p>https://www.youtube.com/watch?v=HnOsIk_0Yys</p> <ul style="list-style-type: none"> a. Reading the Tea Leaves: Paradigm Shifts or Middling Through? b. Will New Transportation Technologies Save Us from Ourselves?

Week	Date	Topics, Readings, Assignments, Deadlines
		<i>FINAL EXAM (TAKE HOME) DUE BY 11:59 PM ON TUESDAY, OCTOBER 3rd VIA UPLOAD TO CANVAS</i>
		<i>TERM PAPER DUE BY 5:30 PM ON TUESDAY, OCTOBER 10th VIA UPLOAD TO CANVAS</i>