

San José State University
Lucas Graduate School of Business
Master of Science in Transportation Management
MTM 246 HSR Management II
Fall-B 2018

Course and Instructor Contact Information

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|-------------------------|---|
| Instructor: | John Litzinger |
| Office Location: | Contact Instructor |
| Telephone: | 408-718-0343 |
| Email: | jwlitzingerpe@gmail.com |
| Office Hours: | By Appointment |
| Class Day/Time: | Mondays, 5:30 – 9:30 pm, on October 15, 22, 29, November 5, 12, 19, 26, December 3, 10, 17, 2018 |
| Classroom: | Specified video-conferencing locations (For locations, contact the MSTM Coordinator, Michelle Waldron) |
| Course website: | Canvas (http://sjsu.instructure.com) |

Course Format

Students must have regular access to email and the internet in order to communicate with the instructor, submit assignments, and engage in other class activities.

Students attend class sessions by going in person to one of the MTM program videoconferencing sites *or* by joining online using Zoom, SJSU's online meeting application. Details on each option are as follows:

MTM Class Videoconferencing Sites:

Videoconference sites are located at the Lucas Business Complex (Santa Clara, CA), Caltrans district offices, and other participating agencies. For information about these options, contact the Program Coordinator, Michelle Waldron, at michelle.waldron@sjsu.edu.

Online Access via Zoom:

You can join class using SJSU Zoom from any location, as long as you:

- Are in a quiet room without distractions (e.g., no family members or colleagues walking through or asking questions)
- Have stable internet access

- Use a video camera and good quality microphone so that you are seen as well as heard
- Follow good "meeting etiquette" principles (one such list: <https://blog.gotomeeting.com/7-rules-virtual-meeting-etiquette-every-professional-know/>)

To access class sessions by Zoom, click on the following link from your computer or tablet: <https://sjsu.zoom.us/903247001>

Plan to join at least ten minutes before 5:30 pm, to make sure you are ready when class begins. (The very first time you join from a computer or device, allow extra time for set-up.)

The university has many useful tutorials on how to use Zoom here: <http://www.sjsu.edu/ecampus/teaching-tools/zoom/index.html>

Faculty Web Page and MYSJSU Messaging (Optional Section)

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on my faculty web page at <http://www.sjsu.edu/people/john.litzinger> and/or on [Canvas Learning Management System course login website](#) at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through [MySJSU](#) at <http://my.sjsu.edu> (or other communication system as indicated by the instructor) to learn of any updates.

Course Description

Designed for students interested in participating in the evolving Intercity and High Speed Passenger Rail Program in the United States, the course is a companion to MTM245, and will introduce students to the Intercity and High Speed Passenger Rail mode and describe its attributes and technical components. The worldwide status of the mode will be described as well as the path being taken in the United States. The course will also deal with general enterprise management and the management competencies required. It will introduce students to the issues of organizing project development and implementation.

MSTM Program Goals:

(*Note:* Not all program learning goals are covered in every course)

Goal One: Management of Transportation Organizations

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

Goal Two: Transportation Policy

Develop an awareness of the transportation policy environment, including fiscal mechanisms, legislative structures, and intergovernmental coordination.

Goal Three: Leadership

Develop potential for leadership in transportation organizations.

Goal Four: Communication Skills

Develop written and oral communication skills and techniques.

Goal Five: Analytical Skills

Develop ability to analyze management issues and situations using appropriate conceptual approaches.

Goal Six: Information Technology

Develop basic understanding of commonly used information technology applications used by the transportation industry.

Course Learning Outcomes

This course is organized to develop and enhance the student's understanding of management of transportation projects and organizations (with a focus on High Speed Rail) as well as continue their development of management skills. It is a discussion-based class with active participation by all students. The instructor may have a guest lecturer for the first portion of each class to address the main topic for the class (see Course Schedule below).

Upon successful completion of this course, students will be able to discuss the primary elements of intercity and high-speed rail (HSR) and their Planning, Maintenance, and Operations:

1. Address the impacts of HSR on the operation of existing intercity rail and freight services.
2. Explain case studies of current world-wide projects such as:
 - a. California High Speed Rail Project
 - b. Midwest High Speed Rail Project
 - c. Pacific Northwest High Speed Rail Project
 - d. European Projects: Spain, France, Italy, Germany, UK
 - e. Asian Projects: Japan, Taiwan, Korea, China
 - f. Australian Speed Rail Project
3. Analyze the critical components of managing public transportation organizations.
4. Evaluate and interpret the transportation policy environment, including key fiscal mechanisms, legislative structures, and components of developing High Speed Rail Systems around the world.
5. Describe both a system-level and a more global perspective on the management of High Speed and Regional Rail organizations.
6. Understand the skills and techniques necessary to be a manager or executive in the transportation industry.
7. Analyze project development issues and situations using appropriate conceptual approaches, using contemporary scholarly and professional literature as a key resource.

Required Texts/Readings

Textbook

Emerging Challenges and Opportunities of High Speed Rail Development on Business and Society (Advances in Civil and Industrial Engineering) 1st Edition

by Raj Selladurai (Author, Editor), George VandeWerken (Editor), Peggy Daniels Lee (Editor)

ISBN-13: 978-1522501022

ISBN-10: 1522501029

In Search of Excellence: Lessons from America's Best-Run Companies

by Thomas Peters and Robert H. Waterman (Harper Collins, 1982)

ISBN-10: 0060548789

ISBN-13: 978-0060548780

Available on Amazon.com

Other Readings (Optional)

Additional readings or articles, when applicable to each class, will be provided by the instructor via email.

Other technology requirements / equipment / material (Optional section)

None.

Library Liaison (Optional)

The Library Liaison for the Lucas Graduate School of Business is Christa Bailey (christa.bailey@sjsu.edu). The Emerging Challenges book will be provided via the e-Library.

Course Requirements and Assignments

This course requirements and assignments conforms to the details found from [University Syllabus Policy S16-9](#) at <http://www.sjsu.edu/senate/docs/S16-9.pdf>.

Research Assignment: Each student will be required to prepare a paper on a topic related to high speed and/or intercity rail, focusing on operational challenges. Each student will select their topic and submit it for approval by the third week of class (October 29, 2018). **The paper will be due at the beginning of the last day of class: December 17, 2018.** The purpose of the paper is to describe an aspect of high speed or intercity rail service and its value to the improvement of mobility, and economic development in its respective community. Topics may include, but are not limited to, planning activities, schedule development, contractual relationships, private and public sector relationships, security and safety, communications and any other activity which would need to be addressed as part of project development. The length of the paper approximately five (5) pages and should be in the form a memo to the CEO/General Manager/Senior Executive of their current organization.

In-Class Final Presentation: Students shall be prepared to deliver a summary of the paper (using a *PowerPoint* presentation) on December 17, 2018, in an oral presentation of no more than ten (10) minutes followed by a question/answer session by the class and instructor.

Reading Reflections/In-Class Participation: Students will also be assigned chapters in the *Emerging Challenges* and *In Search of Excellence* books and students will present a brief 1-2 page memo (Reading Reflections) of the highlights and essential points described in a chapter or chapters for each class session that a chapter is assigned. The management book reading response should include an example or observation of a current or recent experience. These memos should be organized by each book and include 2-3 questions for discussion. ***Each memo will form the basis for a portion of the weekly class discussion. Each student will be expected to lead the weekly class discussion one (1) time as the Discussion Facilitator.*** At the end of each class, the Discussion Facilitator will be assigned for the following week. The Discussion Facilitator assignments will be during Weeks 2 through 9 (October 22, 2018 through December 10, 2018), depending on the size of the class.

| Task | Due Date | % of Course Grade | Learning Objectives Addressed |
|-----------------------------|--|---|--------------------------------------|
| Research Assignment | 10/29/18 (Proposed Topic) 11/12/18 (Outline) 12/3/18 (Draft Paper) 12/17/18 (Final Paper) | 5 pts (Proposed Topic) 5 pts (Outline) 10 pts (Draft Paper) 20 pts (Final Paper) | LO's 1-7 |
| In-Class Participation | Weekly | 30 pts (2 pts each week; 10 pts as Discussion Facilitator) | LO's 1-7 |
| Reading Reflections | Weekly (Monday 8AM prior to class) | 20 pts (2 pts each week, Pass/Fail) | LO's 5, 6 |
| In-Class Final Presentation | 12/17/18 | 10 pts | LO's 1-7 |
| Total | | 100 pts | |

Final Examination or Evaluation

The final evaluation will be a combination of the Research Assignment (Final Paper) and the In-Class Final Presentation described above. There will not be a final examination.

Grading Information

The grading information for this class is noted above. Each student is encouraged to solicit feedback from the instructor on their Research Assignment (Final Paper) and In-Class Final Presentation as the assignments are developed. The feedback will be done via a scheduled telephone call (no written feedback will be provided).

Determination of Grades

Grades will be determined by the following elements:

- Reading responses, each class will have graded reading responses associated with the week's reading materials. Scores will be based knowledge of material and articulation of main discussion themes.
- Clarity and Presentation of the selected topic of the final paper and *PowerPoint* presentation. Topic must be associated with High-Speed Rail (HSR) service, operations or a component of rail service (Safety, Security, Multi-Modal Systems, Transit Oriented Development, etc.).
- Due to the class being discussion-based that relies heavily on the weekly assignments, the penalty for late or missed work not completed by the due date will be assigned zero (0) points.
- If a student must miss a class, they must notify the instructor prior to the start of class. If the student was the scheduled Discussion Facilitator, their Facilitator assignment will be rescheduled. The Reading Reflections will still be due so they can be used during the class with author being acknowledged.
- Extra credit will not be available for this class.

Letter Grade Calculation

| 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 for the Lucas College Graduate School of Business

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

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](http://www.sjsu.edu/gup/syllabusinfo/) 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.

Course Schedule

As a portion of each class period will be devoted to discussion of the readings, the reading reflections for the assigned readings will be due on Mondays 8AM prior to the class where they are listed below.

Note: This schedule is subject to change with at least one week notice via email. The instructor will confirm at the end of each class the topic and assignments for the next class.

Guest Lecturers: This class may have a guest lecturer for the first portion (approximately 60 minutes) of each class that will discuss the topic for that class.

| Class Date | Class Activities, Readings, & Assignments |
|-------------------|--|
| 10-15-18 | Topic: Course Introduction – Introduction to High Speed Rail / Overview of the California High Speed Rail Project Reading: California High Speed Rail Program 2016 Business Plan Management Text, Chapters 1-4 |
| 10-22-18 | Topic: Systems Operations - How can we achieve multi-modal integration? Reading: Emerging Challenges, Chapters 1, 2, 3 Management Text, Chapter 5 |
| 10-29-18 | Topic: Planning for the Protection of High Speed Rail Systems - What are effective approaches to protecting High Speed Rail systems? Reading: Emerging Challenges, Chapter 4 Management Text, Chapter 6 |
| 11-5-18 | Topic: Regional Rail Systems Part 1 - How can you effectively connect a region through rail transit? Reading: Emerging Challenges, Chapter 5 Management Text, Chapter 7 |
| 11-12-18 | Topic: Regional Rail Systems Part 2 – Continuation of effectively connecting a region Reading: Emerging Challenges, Chapter 6 Management Text, Chapter 8 |
| 11-19-18 | Topic: Expanding Operations and Increasing Service - How can you expand existing service to address growing travel demand? Reading: Emerging Challenges, Chapter 7 Management Text, Chapter 9 |
| 11-26-18 | Topic: Reboot - Turning on the power - What are the impacts of rail expansion and system electrification? Reading: Emerging Challenges, Chapter 8 Management Text, Chapter 10 |

| Class Date | Class Activities, Readings, & Assignments |
|-------------------|---|
| 12-3-18 | <p>Topic: How will the electrification of the Peninsula Corridor Rail System change rail service in the Bay Area?</p> <p>Reading: Emerging Challenges, Chapters 9 and 10 Management Text, Chapter 11</p> |
| 12-10-18 | <p>Topic: Building a rail system from scratch - How are HSR systems made operational?</p> <p>Reading: Emerging Challenges, Chapters 11, 12, 13 Management text, Chapter 12</p> |
| 12-17-18 | <p>Topic: Class paper presentations, wrap-up</p> <p>Class paper is due at the beginning of class</p> |