

San José State University

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 Syllabus Information web page at <<http://www.sjsu.edu/gup/syllabusinfo/>>.

ME 147 Dynamic Systems Vibration and Control Fall 2021 Tentative Course Schedule/Outline

Week/Dates	Discussions Topics/Class Activities
Week 1 Th 08/19	Welcome to ME 147
Week 2 T 08/24 & Th 08/26	Principles of Newtonian Mechanics, Introduction to Vibrations, Degrees of Freedom, Equations of Motion, Free Vibrations
Week 3 T 08/31 & Th 09/02	Natural Circular Frequency, Period of Oscillations, Energy Method, Damped Systems
Week 4 T 09/07 & Th 09/09	Forced Vibrations, Undamped and Damped Vibrations, Transmissibility
Week 5 T 09/14 & Th 09/16	Multi Degree of Freedom Systems, Eigenvalues and Eigenvectors
Week 6 T 09/21 & Th 09/23	Review for Midterm Exam 1 on Tue 09/21 Midterm Exam 1: 10:45 AM-12:00 PM on Thu 09/23
Week 7 T 09/28 & Th 09/30	Vibration Isolation, Vibration Absorbers, Design for Vibration Control
Week 8 T 10/05 & Th 10/07	Distributed Parameter Systems, Wave Equations, Solutions to Wave Equations
Week 9 T 10/12 & Th 10/14	Flow-Induced Vibrations
Week 10 T 10/19 & Th 10/21	