OTHER TECHNOLOGY REQUIREMENTS / EQUIPMENT / MATERIAL:

A computer with internet connectivity and the video conferencing software ZOOM is required. Please follow this link for more information to set it up: https://ischool.sjsu.edu/zoom

Basic proficiency with Microsoft Excel, Matlab or any other programming tools is encouraged. Matlab can be freely accessed from the computers in College of Engineering through VPN (for details on how to setup the Cisco VPN client on your PC use the following link: https://www.sjsu.edu/it/services/network/vpn/index.php). Microsoft Excel is part of the Office 365 package that SJSU provides for free to all students (for more details use the following link: https://www.sjsu.edu/it/services/collaboration/software/instructions.php). Additional ways of accessing the software may be available. For more information contact the IT department.

Some assignments will require you to have a working webcam. Please make sure you have access to one.

APPROXIMATE COURSE SCHEDULE:

Course	Lecture Topic(s)	Book chapter	HW
01	Introduction	1	1
	Fundamental thoughts	2	
	Standard Atmosphere	3	
02	Basic Aerodynamics: flow types	4	2
03	Basic Aerodynamics: viscous flow	4	
04	Airfoil, Lift and Drag: basics	5	3
05	Airfoil, Lift and Drag: trans-		