

# **CALIFORNIA STATE UNIVERSITY, FRESNO**

Construction Management

CM191T – Advanced Construction Structures Laboratory

## **Lab: Flexural Testing of Wood**

### **POST-LAB ASSIGNMENT**

- a. Download one set of lab results from the "SIMULATIONS" page.
- b. Draw a sketch of the experimental setup for the downloaded results.
- c. Determine the ultimate load for each specimen.
- d. Calculate the flexural strength for each specimen and compare the average with the book value. Assume the wood used here is Douglas fir.
- e. Determine the modulus of elasticity (E) from the linear portion of the load deflection curve and compare the E value to the book value of Douglas fir.
- f. Submit the assignment on Blackboard.