

**MEEN 5333/ MEEN 4382**  
**(HW 4, Due on April 18, 2022)**

1. Discuss the ASTM standard(s) for Impact testing of plastics. Do you need to follow any specific environment condition for the standard testing? Please explain.
2. Discuss the ASTM standard(s) for plane strain fracture toughness testing of polymers. What criteria need to be satisfied for a valid fracture toughness test?