

Assignment 1
Due 9/11/2025

Short Answer Problems
Hint: Refer to the DVDs and Appendix A

1. Define the difference between a steady state run and a transient run. Is one method preferred over the other? Explain.
2. Name 5 hydrodynamic components and give a short explanation of each.
3. Define the following search variable codes:
 - TEMPF
 - TEMPG
 - TIME
 - VOIDF
 - VOIDG
 - P
 - TUREFF

Application Problem

Form a group of 3 students and start to discuss the final project submit the following in a word document:

1. Names of your group members
2. What reactor type will you be modeling
3. What transient you plan to model