

**57:020 Mechanics of Fluids and Transport Processes
Instructions and Grading for CFD Lab Report**

Section	Points
PreLab Questions Submitted before PreLab	10
1 Title Page 1.1 Course Name 1.2 Title of report 1.3 Submitted to "Instructor's name" 1.4 Your name (with University ID and email address) 1.5 Your affiliation (Department, Group) 1.6 Date	5
2 Test and Simulation Design Purpose of CFD simulation	10
3 CFD Process Describe in your own words how you implemented CFD process (Hint: CFD process block diagram)	10
4 Data Analysis and Discussion Answer questions given in Exercise Notes of the CFD lab handouts	50
5 Conclusions Conclusions regarding achieving purpose of the simulation Describe what you learned from CFD Lab. Comments on the "hands-on" experience, software interface, and lab performance Suggestions and improvements	15
Total	100

Additional Instructions:

1. Each student is required to hand in individual lab report and PreLab questions.
2. Conventions for graphical presentation:
 - * CFD figures should be plotted using symbols without X and Y grid
 - * All figures in the report should be either the hardcopies of FlowLab or the plots using other commercial software (Excel).
 - * Color print of figures recommended but not required
3. Reports will not be graded unless section 1 is included and complete
4. CFD Lab report template is provided to facilitate you to write reports.

CFD Process Block Diagram

