

Department of Mechanical Engineering

Massachusetts Institute of Technology

2.20 Marine Hydrodynamics, Fall 2007

Laboratory Assignment A and Laboratory Assignment B

Assignment A: ANALYSIS OF FLOW AROUND A HYDROFOIL
**Assignment B: VORTEX-INDUCED VIBRATIONS OF A
CYLINDER AND SURFACE WAVE KINEMATICS**

Lab Sign-Up times:

- From, Wednesday Nov. 7, 2007 to Friday Nov. 9, 2007

Lab Assignment A location: Mechanical Engineering water tunnel, Room 3-269, x3-4349

Lab Assignment B location: MIT Towing Tank, Room 48-015, x3-4348

Report Due: Tuesday, November 27, 2007

Tasks:

- Read through the details of the Laboratory Assignment A Laboratory Assignment B.
- Sign-up for time slots today.
- Individually perform the 2 Pre-Lab exercises to be turned in at the beginning of each lab.
- Perform each of two 1-hour experiments with your lab-group at the time you have signed up.
- Write an individual lab report on the two one-hour experimental exercises.

Recitation Notice: There will be no recitation during lab week. Recitations will resume on November 14th