Instructor: Dr. Rouslan Krechetnikov

Contact:  
Office: 2332 Engineering II  
Phone: (805) 893-8501  
E-mail: rkrechet@engineering.ucsb.edu

Office hours: TUE/THU 11:00-12:30 am

Website: http://www.engineering.ucsb.edu/~rkrechet/courses.html

Prerequisite: Mathematics 5C, ME16, and ME 151A (may be taken concurrently); open to ME majors only

Format:  
Lectures: TUE/THU 9:30-10:45 am in Buch 1930, beginning on September 24.


Topics:  
- Introduction to  
  - the fundamental concepts in fluid mechanics  
  - basic fluid properties  
- Basic equations of fluid flow  
- Dimensional analysis and similitude  
- Hydrodynamics

Homeworks: there will be six homework sets, each due at 11:59 pm on Thursday (the assignment box is located to the left of the entrance to the CAD lab, 2243 Engineering II).

Midterm tests: there will be two tests, held during the class  
Test 1: Thursday, October 22  
Test 2: Thursday, November 19

Policy: closed-book, no collaboration is allowed. There will be no make-up tests. In case when a student misses a test due to a substantiated reason, the term mark may be pro-rated.

Final examination:  
Date and time: December 9, 8:00-11:00 am  
Policy: closed-book, no collaboration is allowed.

Grading policy:  
Homeworks: 20%  
Tests: 30%  
Final exam: 50%