**Instructor:** Dr. Rouslan Krechetnikov

**Contact:**
- Office: 2332 Engineering II
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**Office hours:** TUE/THU 11:00 am -12:30 pm

**Website:** [http://www.engineering.ucsb.edu/~rkrechet/courses.html](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 23 and ending on December 2.


**Topics:**
- Introduction to
  - the fundamental concepts in fluid mechanics
  - basic fluid properties
- Fluid statics, kinematics, dynamics
- Control volume analysis
- Differential analysis of fluid flow
- Dimensional analysis and similitude

**Homeworks:** there will be six homework sets, each due at 11:59 am on designated Fridays (the assignment box is located to the left of the entrance to Rm. 2243 Engineering II). Late or impossible to read homeworks will not be graded.

**Midterm tests:** there will be two tests, held during the class
- Test 1: Tuesday, October 19
- Test 2: Tuesday, November 9

  **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 8, 8:00-11:00 am
- **Policy:** closed-book, no collaboration is allowed.

**Grading policy:**
- Homeworaks: 20%
- Tests: 30%
- Final exam: 50%