

MAP 6437 Instructor: Nick Cogan
Biofluids Office: LOV 002-E
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Text : Elementary Fluid Dynamics, by D.J. Acheson

Course Content: Introduction to biofluids. The first several weeks will introduce the basic equations and notations of fluid dynamics. We will pay close attention to scaling and special solutions. We will then spend several weeks describing some classical results with biological underpinnings. These will help frame and motivate much of our discussion. During the last part of the semester students will present various topics of their choosing.

Assignments: Homework problems will be assigned inconsistently. The due date will be given with the assignment. The grading scheme for the homework is O (outstanding, A-range), S (satisfactory, B-Range), U (unsatisfactory c or lower). I expect you to work together on the homework- the expectation is that you understand the problem, rather than 'finish' the assignment.

Presentations: Each student (either alone or in small groups) will be required to present a topic at least once during the semester-more information will be provided.

- **HONOR CODE.** The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. Please note that violations of this Academic Honor System will not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. Before submitting any work for this class, please read the "Academic Honor System" in its entirety (as found in the FSU General Bulletin and in the FSU Student Handbook and ask the instructor to clarify any of its expectations that you do not understand.

- **AMERICAN DISABILITIES ACT.** Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class.