

## Visualizing Flow

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The flow of fluids explains how airplanes fly, why a curveball curves, why atherosclerotic plaque clogs arteries, why Jupiter's red spot is growing, and how hurricanes form. Yet it is difficult to *see* fluids flowing: you can't see the wind, or ocean currents, without the techniques of *flow visualization*. At Lafayette College, a sophomore-level seminar in *The Art and Science of Flow Visualization* exposes students to these techniques and the science of fluid mechanics, and to the photographic methods needed to create effective images that are successful both scientifically and artistically. Unlike other courses in flow visualization, this course assumes no a priori familiarity with fluid flow or with photography. The fundamentals of both are taught and practiced in a studio setting. Students are engaged in an interdisciplinary discourse about fluids and physics, photography, scientific ethics, and historical societal responses to science and art. We discuss the development, implementation, and assessment of this team-taught course at Lafayette.