External Lecturer – Fluid Mechanics

- opportunity to teach highly motivated American university students

DIS is a non-profit study abroad institution with locations in Copenhagen and Stockholm, offering rigorous, credit-bearing semester, academic year, and summer programs taught in English. Established in Denmark in 1959, and expanded to Sweden in 2016, DIS offers students enrolled in North American colleges and universities engaging and challenging coursework enriched by faculty who teach what they do, hands-on learning opportunities, and experiential study tours in Sweden and across Europe. Cultural engagement opportunities integrate students into the local culture and students gain academic knowledge and intercultural skills to prepare for a globalized world. DIS students are usually undergraduate juniors or seniors (in their 3rd or 4th year of a 4-year degree) from highly selective North American institutions.

DIS Stockholm is currently hiring **an external lecturer to teach the course "Fluid Mechanics."** The course starts in August 2026. The course is offered every spring term (mid January to mid May) and every fall term (mid August to mid December). Course load for each term includes 23 lectures (80 minutes each) and 2 field studies in the Stockholm region (4 hours each) per term, plus student assessment, grading, and feedback.

At DIS, lecturers prioritize bringing course material to life through interactive, experiential learning, and are communicative and engaged with their students. Pedagogical support, training, and mentorship is available at DIS through the Learning Lab and experienced faculty. Lecturers have the option of collaborating with academic support staff in various professional development opportunities.

Fluid Mechanics, course description

Fluid mechanics studies the behavior of liquids and gases, how they interact with their surroundings, and how they respond to forces, pressure gradients, and boundary conditions. Fluid mechanics plays a central role in understanding natural systems, such as blood flow patterns in our circulatory system and its alterations during cardiovascular disease. It is also instrumental in the design of engineering solutions, such as hydroelectric dams that efficiently harness the flow of water, or aircrafts with optimal aerodynamic performance.

This course will cover fundamental concepts of fluid mechanics, including fluid statics, fluid kinematics, fluid dynamics, dimensional analysis and similitude, laminar and turbulent flows, pipe flow, and boundary layers.

Link to syllabus

There are many good reasons to teach at DIS, including excellent opportunities to:

- Work in an international, informal, and enthusiastic academic environment with an emphasis on cross-cultural understanding, teamwork, innovation, collegiality, and adaptability
- Develop interactive, experiential teaching skills and teaching experience in English
- Enhance the cultural competencies of US-based students and emerging professionals by sharing your knowledge of Scandinavia and local best practices
- Expand professional networks throughout Denmark and the United States

Main tasks and responsibilities as part-time faculty

- Revise and finalize the syllabus for the course, in collaboration with DIS staff.
- Teach at DIS Stockholm. Teaching format includes classroom lectures, discussions, active learning activities, experiential learning activities, and field studies.
- Assess students' performance, grade assignments and provide feedback to students throughout the course
- Participate in meetings/workshops aimed to develop pedagogical skills in line with the DIS teaching philosophy

Professional competencies

- Relevant background (higher degree, Ph.D. preferred) and hands-on expertise within the field of the course
- Candidate should be open to pedagogical support from DIS and capable of incorporating DIS' interactive and hands-on teaching philosophy into teaching practice
- Experience in creating a structured and interactive learning environment is an advantage

Application Process
Please submit your CV and application letter, addressing the professional competencies above, in English. Applications will be processed as received.
Contact Information
For additional information, please send an e-mail to CE@dis.dk