# COURSE DETAIL

| FLUID MECHANICS |
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| **Country**<br>China |
| **Host Institution**<br>Tsinghua University |
| **Program(s)**<br>Tsinghua University |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Mechanical Engineering |
| **UCEAP Course Number**<br>164 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>FLUID MECHANICS |
| **UCEAP Transcript Title**<br>FLUID MECHANICS |
| **UCEAP Quarter Units**<br>6.00 |
| **UCEAP Semester Units**<br>4.00 |

**Course Description**

By teaching the basic concepts, basic theories and practical applications of fluid mechanics, students will be able to enter flow-related professional studies, scientific research or engineering design to lay a solid foundation in fluid mechanics.

This course focuses on training students' comprehensive and detailed observation and computational analysis skills of flow phenomena, and cultivates students' scientific thinking methods to grasp the key points from the complex fluid movements and then extract fluid mechanics models from the basic principles. Actively guide students to pay attention to the understanding of physical concepts and the nature of flow, and learn from theory and practice through the study of engineering examples.

**Language(s) of Instruction**
English

**Host Institution Course Number**
20310464

**Host Institution Course Title**
FLUID MECHANICS

**Host Institution Course Details**

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

**Course Last Reviewed**
2024-2025

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