

# INGE 5045

**Course Title** APPLIED HYDRODYNAMICS

**Course Description** Solution of Hydrodynamics Problems In Engineering Applications. Discussion and Implementation of Analytical, Experimental and Numerical Solution Methods. Introduction to Turbulence Models and Its Application. Emphasis On Applications In Hydraulics, Water Resources and Environmental Engineering Such as Jets, Wakes and Mixing In The Environment.

**Credit Hours** 3

**Course Options**

Exchange.....	No
Special Topic.....	No
Type.....	Normal
Offering Semester.....	Always
Students can take this course multiple times.....	No

**Grading Schema** Passing Grade D

**Requisites** (INGE 4015 AND INGE 4016) OR INGE 4010