

**Prof Incharge: Prof. Anirbhan Dhar**

**Relevant Dept: Civil**

**Course Name: Hydraulics & Hydraulic Machinery**

**Topic Name: Open Channel Flow**

**1. Topic outline**

Characteristics of OCF and Channel properties, uniform flow and most economical open channel cross section, Uniform Flow vs. Gradually varied flow, OCF surface profiles, Specific energy and alternate depths, Hydraulic jump in OCF, Module level problems

**2. Pre requisites:**

NA

**3. Relevant semester:** 3 rd and 4th

**4. Relevant Department :** Civil Engineering