

Eco-hydraulic



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- **Code:** N8EM04C
- **Open to exchange students:** No

Presentation

Description

Course outline

A- Introduction

- Presentation of the OFB and the ecohydraulics division
- The water cycle
- Flow and hydrological regimes

B- Habitat structuring

- Velocity gradients and solid transport
- Longitudinal structuring
- Transverse structuring
- Vertical structuring

C- Biological organization: habitat-fish relationships

- Community structure: upstream-downstream zonation
- Community structure: lateral distribution
- Community structure: vertical distribution
- Notions of habitat preference

D- Importance of ecological continuity

- Definitions
- Fish mobility requirements
- Ecological continuity in French legislation