



Sediment Transport

Visiting Professor: prof. Hung Tao SHEN (Clarkson University - Potsdam, USA)

Short description of the lecture:

Fundamentals of sediment transport: Incipient motion, bed forms, depth-discharge relations for alluvial streams, transport of bed load and suspended load, natural river processes. To enable students to analyze sediment conditions in natural and controlled rivers and channels. To prepare students for hydraulic engineering research and analysis.

Contents:

1. Introduction
2. Review of Flow in Open Channels
3. Physical Properties of Sediment
4. Scour Criteria and Scour Related Problems
5. Sediment Transport Capacity
6. Bed Forms and Flow Resistance
7. Flow in Curved Channels
8. Sediment Transport in Wintertime

| Terminy wykładów | | | |
|-------------------------|-------------------|----------------|-------------|
| Data | Dzień tyg. | Godzina | Sala |
| 2015-08-31 | Pn | 12.15-15.00 | Hydro P1 |
| 2015-09-01 | Wt | 12.15-15.00 | Hydro P1 |
| 2015-09-02 | Śr | 12.15-15.00 | Hydro P1 |
| 2015-09-03 | Cz | 12.15-15.00 | Hydro P1 |
| 2015-09-04 | Pt | 12.15-15.00 | Hydro P1 |