CWR 4204 – HYDRAULIC ENGINEERING – SPRING 2024

Instructor: Professor Fuentes

Office: EC 3671 – Office Hours: M & W, 10:30-12:00PM

**Assigned Study Material:** Chapters 6, 8 and 11

**Homework Set No 5:**

**(Each homework is graded over 100 points; each question is worth the same number of points)**

**Required Problems:**

**6.2.7 (solve this problem for a longitudinal slope of 0.0032);**
**6.3.3 (solve this problem for n = 0.015);**
**6.4.3 (solve this problem for a uniform depth of 1.0 m);**
**Refer to Example 6.8, p. 219: solve for a discharge of 20 m³/s and compare with text results;**
**Refer to Example 6.11, page 237: solve for Q = 12 m³/s and compare with text result.**

**(As an alternative to hand calculations, you may consider using** _**FlowMaste**__**r, which is software that is available at most of our EIC Computer Labs; or you may solve it with your own**_ _**MSExcel**_ _**spreadsheets).**_

_**Due date**__**: March 25, 2024, at the start of the first lecture period or best earlier (in instructor's departmental mailbox or under EC-3671 office's door)**_

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Recommended Practice Problems: 6.1.1., 6.1.2, 6.2.1, 6.3.1, 6.3.5, 6.4.2, 6.4.7, 6.5.1, 6.5.4, 6.9.2, 6.9.3 and plus any others of your choice related to assigned Chapter 8 sections.

Exam No. 2: Monday, March 25, 2024

Written Project Report: Due Friday, April 19, 2024
Oral Presentation: Monday, April 22, 2022 (See Project Addendum)