CE 5362 Surface Water Modeling

1D/2D Hydrodynamic Models

Introduction

- Syllabus
- Servers
  - Content
  - Learning Management System
- Software Resources
  - R
  - HEC-RAS
  - SWMM (Optional but useful)
  - EFDC
- Weekly Zoom meeting

Syllabus

- http://theodore-odroid.ttu.edu/documents/university-courses/ce-5362-swmodeling/0-Syllabus/ce-5362-swmodeling.syb.pdf

Servers

- Course Content
  - http://theodore-odroid.ttu.edu/documents/university-courses/ce-5362-swmodeling/ << Course Site
  - http://theodore-odroid.ttu.edu/ << Server Home Page
- Learning Management System
  - http://atomickitty.ddns.net/moodle/ << Moodle Site
  - http://atomickitty.ddns.net << Server Home Page

Software

- R
  - https://cran.r-project.org
- HEC-RAS
  - https://www.hec.usace.army.mil/software/hec-ras/
- SWMM
  - https://www.epa.gov/water-research/storm-water-management-model-swmm
- EFDC
  - https://www.epa.gov/ceam/environmental-fluid-dynamics-code-efdc
- iRIC (Maybe – wait until sure; if cannot decipher EFDC)
  - https://i-ric.org/en/

Zoom Meeting

- As a distance program we will schedule a weekly meeting using my Zoom account.
- Lets find a day/time and I will host a meeting, you will need good internet if we are going to do any screen sharing!