

COURSE CODE: **CEHDROL**

COURSE TITLE: **Civil Engineering Hydrology**

DEPARTMENT: Civil Engineering

**TEXTBOOK:**

- Applied Hydrology: Chow Ven Te; Singapore, McGraw Hill (1988)
- Hydrology and floodplain analysis / Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux., Publication Info. Harlow, Essex, England : Pearson Educational Limited (2013)

**READING LIST:**

- Engineering hydrology / K. Subramanya., Singapore : McGraw-Hill (2009)
- Water and Wastewater Technology; Hammer, Mark J, 1931: Upper Saddle Rain,N.J. Pearson Educ. Intl., (2008)
- Introduction to hydraulics and hydrology with applications for stormwater management; John Gribbin, J., Clifton Park, NY : Thomson/Delmar Learning, (2007)
- Groundwater Hydrology; Todd, David Keith, 1923; NJ: Wiley, (2005)
- Water Resources Engineering: Handbook of Essential Methods and Design, Anand Prakash, ASCE Press, (2004)
- Hydrology and hydraulic systems, Gupta, Ram S., Prospect Heights, Ill. : Waveland Press, (2001).

**REQUISITE EQUIPMENT/MATERIALS FOR THE COURSE:**

US EPA Storm Water Management Model (SWMM) [open source]

- Self-Extracting Installation Program for SWMM 5.1.015 (exe)
- SWMM 5.1 User's Manual
- SWMM Reference Manual Volume I—Hydrology