

CWR 3540 - WATER RESOURCES ENGINEERING – Fall 2023
(Published on August 22, 2023)

Assigned Study Material: *Modules 1 and 2*

Required Homework Set No. 1:
Due on Tuesday, August 29, 2023, at the start of the lecture*
(*Follow the posted template in our course website closely)

Exercises (each exercise is worth 25/100):

- A. Refer to the United Nations UN) “Sustainable Development Goals” (use link in course website folder “Handouts>Module 1”).

Questions:

What are “*Sustainable Development Goals*”? and
Access the website of the *United Nations Environment Programme, UNDP*, and briefly describe its main role in the area of water resources.

- B. Refer to the file “*Water Use in USA 2015*” in our course website folder “Handouts > Module 1”.

Question:

What are the categories of water users (among the eight listed) that used the largest amounts of water in the USA in 2015?

- C. In reference to the “study assignment in Module 1” (see syllabus for details and textbook sections), what information do you need to estimate the water supply requirement of a municipality?
- D. In reference to the “study assignment in Module 1” (see syllabus for details and textbook sections), explain the various methods that you should consider forecasting the population of a city in the future?

Mid-term Exam: Thursday, September 28, 2023

