

**Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: EET 222
Course Name: Introduction to Wastewater Technologies
Credits: 3
Contact Hours: 2 Lecture; 2 Lab

Course Description: This course provides an introduction to the causes of water pollution, the reasons for treating polluted waters, and the fundamentals of wastewater treatment. Students will study the basic principles of treatment plant operation and the processes commonly used in pollution control facilities. Investigation of terms, mathematics, and problem-solving techniques commonly used by wastewater treatment personnel will be included.

Prerequisites: None

Textbooks: <http://bookstore.wdt.edu>

Materials: Notebook or notepaper, pencil and/or pen, calculator, and laptop computer

Student Learning Outcomes:

- Summarize the current processes, methods, and technologies used to treat drinking water and wastewater
- Interpret drinking water and wastewater regulations
- Evaluate the effectiveness of water and wastewater standards in protecting human health

Assessment: Students' life skills, analytical skills, technology skills, social values, and employability will be assessed throughout the course.

ADA Accommodations: Students Rights to Assistance or Accommodations: Western Dakota Technical Institute (hereinafter WDT) does not discriminate on the basis of disability. If you have a disability as defined by federal or state law, including a temporary disability related to pregnancy and/or parenting as a result of a medical necessity due to childbirth, WDT will provide reasonable accommodations including but not limited to architectural access, aids and services necessary for effective communication, and modification of its policies and procedures. Students with a disability who are requesting an accommodation should contact your instructor and the Student Success Director who serves as the disability coordinator as early as possible in the semester.

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