

**WTRT B51**  
**“Basic Water Treatment”**

Student Learning Outcomes	Measure	PLO	ILO	GE
1. Be able to identify the need for water purification.	Written Assignment	1, 2	I, II, III, IV	
2. Be able to identify the need for well-qualified operators.	Written Assignment	1,2,3	I, II, III, IV	
3. Know and be able to describe the responsibilities of an operator.	Written Assignment	1,2,3	I, II, III, IV	
4. Understand and be able to perform basic mathematical functions.	Written Assignment	1, 2	I, III	
5. Identify techniques used to protect public drinking water.	Written Assignment	1, 2	I, II, III, IV	
6. Be able to explain, perform and interpret laboratory test procedures for chlorine residual, hardness, taste and odor.	Written Assignment	1, 2	I, III	
7. Be able to describe the process of Disinfecting water.	Written Assignment	1, 2	I, II, III	

**PLOs:**

- 1.** Students will demonstrate proficiency in technical skills and safety principles required for industrial employment.
- 2.** Students will demonstrate problem solving skills used in industrial design and product development
- 3.** Students will demonstrate a deep understanding of the core material required for transfer to a four year university degree program or for certification in the department programs.

**ILOs:**

- I. Think critically and evaluate sources and information for validity and usefulness.**
- II. Communicate effectively in both written and oral forms.**
- III. Demonstrate competency in a field of knowledge or with job-related skills.**
- IV. Engage productively in all levels of society – interpersonal, community, the state and nation, and the world.**