

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

**Master Syllabus**

**Course Number:** PLU 170  
**Course Name:** Plumbing Theory II  
**Credits:** 3  
**Contact Hours:** 3 Lecture

**Course Description:** This course will build upon the foundational concepts and content introduced in Plumbing Theory I. Advanced applications regarding plumbing materials, tools, methods and construction will be explored. In addition testing pressures and procedures will be introduced.

**Prerequisites:** PLU 150

**Corequisites:** PLU 175

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

**Materials:** None

**Student Learning Outcomes:**

- Determine size of water supply and drain, waste, and vent (DWV) pipe.
- Differentiate appropriate testing pressures and procedures for multiple piping materials.
- Review spec sheets to determine locations and clearances for plumbing fixtures and appliances.
- Identify the usage of different piping materials, fittings, and joining methods.

**Assessment:** Life skills, analytical skills, and communication skills will be assessed throughout this course.

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