1. **COURSE ID:** BLDG 730  
   **TITLE:** Plumbing Inspection  
   **Semester Units/Hours:** 3.0 units; a minimum of 48.0 lecture hours/semester  
   **Method of Grading:** Grade Option (Letter Grade or P/NP)

2. **COURSE DESIGNATION:**  
   **Degree Credit**  
   **Transfer credit:** none

3. **COURSE DESCRIPTIONS:**  
   **Catalog Description:** Plumbing Code regulations pertinent to all phases and types of construction. Course covers sewers, building drains, rainwater/stormwater drainage, venting, water distribution systems, natural gas systems, indirect waste systems, general regulations and administrative regulations as proffered by the most current version of the California Plumbing Code.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**  
   Upon successful completion of this course, a student will meet the following outcomes:  
   1. Identify types of plumbing systems.  
   2. Locate particular sections of the Plumbing Code relative to questions asked during inspections.  
   3. Recognize proper sizing of drainage, vent, water and gas systems.  
   4. Write and speak in Plumbing Code terms of art as identified in the Code format.  
   5. Serve as a resource of the comprehensive information available on general plumbing systems.  
   6. Understand minimum performance, design, installation and maintenance of plumbing systems.

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**  
   Upon successful completion of this course, a student will be able to:  
   1. Identify types of plumbing systems.  
   2. Locate particular sections of the Plumbing Code relative to questions asked during inspections.  
   3. Recognize proper sizing of drainage, vent, water and gas systems.  
   4. Write and speak in Plumbing Code terms of art as identified in the Code format.  
   5. Serve as a resource of the comprehensive information available on general plumbing systems.  
   6. Understand minimum performance, design, installation and maintenance of plumbing systems.

6. **COURSE CONTENT:**  
   **Lecture Content:**  
   2010 California Plumbing Code  
   Chapter 1, Parts I and II - Matrix and California  
   Chapter 2 Definitions and their Importance in the Trade  
   Chapter 3 General Regulations  
   Chapter 4 Plumbing Fixtures and Fixture Fittings  
   Chapter 5 Water Heaters & Sizing Venting Systems  
   Chapter 6 Water Supply and Distribution  
   Chapter 7 Sanitary Drainage  
   Chapter 8 Indirect Wastes  
   Chapter 9 Vents  
   Chapter 10 Traps and Interceptors  
   Chapter 11 Storm Drainage & Rainwater Catchment Systems  
   Chapter 12 Fuel Piping  
   Chapter 16A Non Potable Water Reuse Systems  
   Chapter 16A Graywater, Reclaimed/Recycled Water Systems

7. **REPRESENTATIVE METHODS OF INSTRUCTION:**  
   Typical methods of instruction may include:  
   A. Lecture  
   B. Guest Speakers  
   C. Other (Specify): In-class group assignments
8. REPRESENTATIVE ASSIGNMENTS
   Representative assignments in this course may include, but are not limited to the following:
   **Writing Assignments:**
   Individual and group discussions and presentations. Writing assignment will require oral dissemination by students in class to evaluate comprehension and application of class material.
   **Reading Assignments:**
   Reading assignments that will require oral dissemination by students in class to evaluate comprehension and application of class material.

9. REPRESENTATIVE METHODS OF EVALUATION
   Representative methods of evaluation may include:
   A. Class Participation
   B. Exams/Tests
   C. Quizzes
   D. Research Projects

10. REPRESENTATIVE TEXT(S):
    Other:
    A. 2010 California Plumbing Code

   **Origination Date:** October 2010
   **Curriculum Committee Approval Date:** January 2014
   **Effective Term:** Fall 2014
   **Course Originator:** Anne Figone