1. **COURSE ID:** BLDG 730  
**TITLE:** Plumbing Inspection  
**Units:** 3.0 units  
**Hours/Semester:** 48.0-54.0 Lecture hours; and 96.0-108.0 Homework hours  
**Method of Grading:** Grade Option (Letter Grade or Pass/No Pass)

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. Be able to serve as a resource on 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. Be about to serve as a resource on the comprehensive information available on general plumbing systems.  
6. Understand minimum performance, design, installation and maintenance of plumbing systems.

6. **COURSE CONTENT:**  
**Lecture Content:**  
- 2019 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):**
    Possible textbooks include:
    

    **Origination Date:** September 2020  
    **Curriculum Committee Approval Date:** October 2020  
    **Effective Term:** Fall 2021  
    **Course Originator:** Peter von Bleichert