

DEPARTMENT: Inspection

COURSE: Inspec 015

TITLE: Advanced Construction Inspection (Uniform Plumbing Code)

### WORKSHEET

Course Objectives <b>(not part of SLO-but derives SLO)</b>	Outcome	Activity	Assessment
Vent System	Students will evaluate the cross sectional area for vents installed in a single family residence and compare the results to the plumbing code required area.	Students will read chapter four of the plumbing code to determine the minimum cross sectional area of vents in a residence.	Students will calculate the cross sectional area of plumbing vents and complete a companion workbook assignment on vent systems.
Area of circles.	Students will be able to read charts to quickly and accurately determine the cross sectional area a1, 1 1/2, 2, and 3 inch vent pipe.	Students will locate and read the area of circle charts located in the Plumbing Code Appendix.	Students will read and interpret charts to determine the cross sectional area of plumbing vents.
Cold Water Distribution	Students will be able to accurately size the cold water bathroom lines for a single family residence.	Students will read Plumbing Code Chapter six to determine the minimum size of water distribution systems.	Students will read and interpret construction plans to calculate the size of bathroom distribution water lines.

#### SLO #1

Students will be able to evaluate an installed residential vent system for compliance with the minimum total cross sectional area of seven square inches as required for compliance with the California Plumbing Code

#### SLO #2

Students will be able to evaluate installed cold water distribution lines for a residential water closet, lavatory, and bathtub/shower to determine compliance with the California Plumbing Code sizing requirements.