

NASSAU BOCES - ADULT EVENING PROGRAM  
Joseph M. Barry Career & Technical Education Center  
1196 Prospect Ave.  
Westbury, NY 11590

COURSE OUTLINE

Course Name: **Plumbing II**  
Weeks: 8  
Sessions: 16  
Hours: 48  
Days/Time: Mon/Wed 7-10pm  
Instructor: Marvin Weinstein  
Required Textbook: None. Instructor provided information sheets  
Prerequisites: Plumbing I. Student must provide tools and some materials (list provided).  
Adult evening Office: (516) 622-6950

Course Overview:

This course covers installing, troubleshooting, and repairing water heaters and drainage system. NYS plumbing codes are also reviewed.

Plumbing Certificate Program: Plumbing I, Plumbing II, Oil Burner I, Blue Print Reading; Gas Burner for total of 222 hours.

Course Topics

Session 1 Introduction; Course outline; Review; Definitions; Water Meter  $\frac{3}{4}$ "; Air-Chambers; Definitions; Cross Connections; Practical Piping  
Session 2 Offset Piping Cast Iron, Definitions; Pipe Machine; Practical Piping  
Session 3 Grade Per ft, Pitch Per ft; House Drains; Definitions; Practical Piping  
Session 4 Cutting in a wye; Definitions; Practical Piping  
Session 5 Review; DWV Layout (combined H.D.); Definitions; Calked Joint; Practical Piping  
Session 6 Review; DWV (comb); Layout; Sewage Ejector; Trap Size; Definitions – Dual Tile Gaskets; Practical Piping  
Session 7 Review; DWV; Fixture Units; Definitions; Acid-Drainage; Thermal Exp, Practical Piping  
Comb. H.D.; Sewage Ejector; Traps; Definitions; Practical Piping  
Session 8 Review; Loop Vent; Circuit Vent; Meter By-Pass; Swing Joint, Pex, Practical Piping  
Session 9 Review; Plumbing Violations; Formulas; Plumbing Violations; Formulas; Definitions; Jet Swet; Practical Piping  
Session 10 Review; Crotons (Branches); Definitions; Dutch Finger; Formulas; Practical Piping  
Session 11 Review; Crotons; Moen 2420; Tub Spouts; Definitions; Formulas; Practical Piping  
Session 12 Review; Crotons (Back to sink); Moen 2220; I.P.S. Chart (Pipe Tap); Copper Chart; Formulas; Definitions; Practical Piping  
Session 13 Review; Flushometer; Crotons; Swage (Copper); Formulas; Definitions; Practical Piping  
Session 14 Review, Plan Reading (Scales); Relief Vent; Yoke Vent; Definitions; Formulas; Practical Piping  
Session 15 Review; Water Supplies, A.A. V.; Domestic Expansion Tank; Abbreviations & Formula Booklet; Definitions; Practical Piping  
Session 16 Review; DWV Problem (Layout); Island Sink Vent; Gas Piping; Indirect Wastes; Practical Piping