

**At Your Pace Online LLC**  
**1383 2nd Ave., Gold Hill, OR 97525**  
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**4-hour Elective Continuing Education -- Sanitary Drainage Systems and Grease Interceptors**

**3h 38m 0s**

<b>Section/Topic Titles</b>	<b>Word Count</b>	<b>Minute Count</b>	<b>Section Time</b>	<b>Quiz Q's</b>
I. Introduction to Class on Sanitary Drainage Systems (Video)	272	3.2	3m 12s	
Review Question	Q	0.5		1
II. Basics of Sanitary Drainage Systems	343	4.6	33m 30s	
a. Backflow & Sewer Gases	174	2.3		
b. Components of a Sanitary Drainage System	6	0.1		
1. Drainage Piping [Drains and Stacks]	266	3.5		
a. Principles of Vertical Sanitary Drainage	443	5.9		
b. Horizontal Branches and Drains	376	5.0		
2. Cleanouts	157	2.1		
3. Sumps and Ejectors & Backwater Valves	392	5.2		
4. Floor Drains and Floor Sinks	133	1.8		
5. Interceptors and Sediment Buckets	90	1.2		
6. Supports	95	1.3		
Review Question	Q	0.5		1
III. Installation	1	0.0	35m 8s	
a. Piping	390	5.2		
1. Cast Iron and Galvanized Steel	248	3.3		
2. Plastic DWV Piping & High-Density Polyethylene (HDPE) Pipe	536	7.1		

3. Clay Pipe	212	2.8		
4. Concrete Pipe	129	1.7		
b. Cleanouts	319	4.3		
c. Joining Methods – Noise Mitigation & Prohibited Joints	346	4.6		
d. Supports	96	1.3		
e. Thermal Expansion Waterproofing Protection from Damage	320	4.3		
Review Question	Q	0.5		1
IV. Codes, Technical Considerations & Grease Interceptors (Video)	244	2.9	2m 54s	
Review Question	Q	0.5		1
V. Codes and Standards	3	0.0	32m 21s	
a. Drainage Fixture Units; IPC® Section 709 Fixture Units	1039	13.9		
b. 2015 UPC® - General Requirements	390	5.2		
c. Gravity Drainage Requirements	457	6.1		
d. IPC® Section 715.1 Sewage Backflow	409	5.5		
e. New IPC® Sections 716 [Vacuum Drainage Systems] & 717 [Replacement of Sewers by the Pipe-Bursting Method]	91	1.2		
Review Question	Q	0.5		1
VI. Technical Considerations & Sanitation for Sanitary Drainage Systems	516	6.9	37m 29s	
a. Overview of Material to Be Covered	116	1.5		
b. Offsets	117	1.6		
c. Connections to Branches	379	5.1		
d. Slope of Horizontal Drainage Piping	418	5.6		
e. Drainage Loads	313	4.2		
f. Stack Capacities	158	2.1		
g. Sanitation	191	2.5		
h. Maintaining Consistent Pneumatic Pressure	267	3.6		

i. Maintaining Flow Rates Through the Building Sewer	299	4.0		
Review Question	Q	0.5		1
VII. Alternate Sanitary Systems and Methods	5	0.1	28m 50s	
a. Engineered Systems	236	3.1		
1. Vacuum Drainage Systems	487	6.5		
2. New Code Sections	146	1.9		
b. Replacement of Sewers by the Pipe-Bursting Method	121	1.6		
c. IPC® Section 717	286	3.8		
d. Combination Waste Vent Systems and Wet Venting	844	11.3		
Review Question	Q	0.5		1
VIII. Grease Interceptors	2	0.0	42m 6s	
a. Industrial Interceptors and Oil Separators	413	5.5		
b. Required Locations	381	5.1		
c. Why They Are Necessary	160	2.1		
d. Types of Grease Interceptors	526	7.0		
e. Installing Grease Interceptors and FOG Disposal Systems (Automatic Grease Removal Devices)	504	6.8		
f. Maintenance	171	2.3		
g. Sample Codes and Standards	456	6.1		
1. International Plumbing Code	165	2.2		
2. Uniform Plumbing Code	342	4.6		
Review Question	Q	0.5		1
IX. End of the Class (Video)	167	1.3	1m 36s	
Review Question	Q	0.5		1
<b>Total Word Count</b>	15480	206.4	3h 26m 24s	
<b>Total Presented Questions</b>	9	4.5	0h 4m 30s	

<b>Total Video Time</b>		7.1	0h 7m 6s
<b>Total Time for Words and Questions</b>		218.0	3h 38m 0s



