

**Plumbing Level 2 2021-2022
Course Syllabus**

WEEKS 1 – 12

2021 International Plumbing Code (IPC)

2018 Vermont Plumbing Safety Rules (VPSR)

NCCER Plumbing Level 2 Trainee Guide, 4th Edition (NCCER)

2021 International Plumbing Code (IPC) is referenced when a code article is used in NCCER

| WEEK | CONTENT | MATERIALS USED | ASSIGNMENT(S) <i>Numbers next to assignment title reflects the number of questions to be completed</i> |
|-------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| | Diversity/Harassment Awareness Training Orientation/Introduction of Program Apprenticeship Application (VDOL) | Canvas VDOL Outreach | CANVAS MODULE: DIVERSITY/HARASSMENT AWARENESS TRAINING CANVAS MODULE: 21-22 APPRENTICESHIP ORIENTATION |
| | Plumbing Math Two | IPC (306, 308, 605, 704, 705, 707) NCCER (Module 1) | NCCER MODULE 1 (10) |
| | Reading Commercial Drawings | NCCER (Module 2) | NCCER MODULE 2 (15) |
| | Structural Penetrations, Insulation and Fire Stopping | IPC (308, Table 308.5) NCCER (Module 3) | NCCER MODULE 3 (10) |
| | Types of Valves | IPC (606) NCCER (Module 7) | NCCER MODULE 7 (10) |
| | Installing Roof, Floor, and Area Drains | IPC (912) NCCER (Module 5) | NCCER MODULE 5 (15) |
| | Installing and Testing DWV Piping – Sizing | IPC (312, 701, 703, 704, 708, 709, Table 709.1, Table 709.2, Table 710.1(1), 901, 903, 904, 905, 906, Table 906.1, 907, 908, 909, 911, 912, 916, 917, 1002) NCCER (Module 4) | NCCER MODULE 4 (20) |
| | Midterm Exam Review | IPC (306-1002) NCCER (Modules 1-7) | REVIEW PREVIOUS ASSIGNMENTS |
| | Midterm Exam | Standardized Exam Reviewing Weeks 1-12 Material Covered | CANVAS EXAM (3.5 HOURS TO COMPLETE – 1 ATTEMPT) |

WEEKS 13-24

2021 International Plumbing Code (IPC)
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| WEEK | CONTENT | MATERIALS USED | ASSIGNMENT(S) |
|-------------|-----------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|
| | Installing and Testing Water Supply Piping | IPC (308, 312.5, 312.9, Chapter 6, App E) NCCER (Module 6) | NCCER MODULE 6 (15) |
| | Installing Fixtures and Valves | IPC (Chapter 4) NCCER (Module 8) | NCCER MODULE 8 (15) |
| | Installing Water Heaters | NCCER (Module 9) | NCCER MODULE 9 (10) |
| | Fuel Gas and Fuel Oil Systems Hydronic Heat Steam Systems | NCCER (Module 11) Boiler Operator's Guide (Ch. 1,2,9,10,13,14) | NCCER MODULE 11 (10) |
| | Basic Electricity | IPC (Chapter 5) NCCER (Module 10) | NCCER MODULE 10 (10) |
| | Final Exam Review | IPC (308,312.5,312.9, Chapters 4-6, App E) NCCER (Modules 6-11) | REVIEW PREVIOUS ASSIGNMENTS |
| | Final Exam | Standardized Exam Reviewing Weeks 13-24 Material Covered | CANVAS EXAM (3.5 HOURS TO COMPLETE – 1 ATTEMPT) |