

Wood Moisture Solutions, Lumber Drying Workshop Basics

	Section and modules	Slides	Topics	Quizzes	Required Narration	Optional Narration
1	COURSE INTRODUCTION (Week 1)	23	3	1	09:02	01:05
1A	Course introduction	23	3	1	09:02	01:05
2	GETTING STARTED (Week 1)	30	2	2	16:09	00:00
2A	Why wood is dried	15	1	1	09:46	00:00
2B	Safety	15	1	1	06:23	00:00
3	WOOD, THE MATERIAL TO BE DRIED (Week 1)	38	3	3	22:18	00:00
3A	Features of lumber	21	2	2	13:30	00:00
3B	Wood variability	17	1	1	08:48	00:00
4	MOISTURE CONTENT AND ITS EFFECT ON WOOD (Week 2)	50	6	5	36:31	00:00
4A	Measuring temperature and humidity	11	1	1	07:58	00:00
4B	Moisture content	11	1	1	10:53	00:00
4D	Water in wood, EMC	13	2	1	08:44	00:00
4E	Shrinkage and strength	15	2	2	08:56	00:00
5	WATER MOVEMENT AND STRESS (Week 3)	68	8	5	48:16	00:00
5A	Water movement in wood	21	3	2	15:37	00:00
5B	Stress development and relief	22	3	2	18:45	00:00
5C	Defect development and prevention	25	2	1	13:54	00:00
6	SCHEDULES (Week 4)	79	6	6	0:47:37	0:00:00
6A	Time-based schedule, drying	25	2	2	18:12	00:00
6B	Equalization	15	1	1	08:24	00:00
6C	Conditioning and cooldown	15	1	1	08:51	00:00
6D	Special schedules	15	1	1	08:28	00:00
6E	High-temperature drying	9	1	1	03:42	00:00
7	HOW KILNS OPERATE (Weeks 5 and 6)	125	10	10	1:23:06	0:11:21
7A	Kiln designs	11	1	1	08:28	00:00
7B	Steam kilns, heating	34	3	3	20:41	00:00
7C	Direct-fired kilns (optional)	15	1	1	00:00	08:26
7D	Venting and humidification	17	1	1	16:29	02:55
7E	Fan systems	17	1	1	16:15	00:00
7F	Baffling	15	1	1	10:03	00:00
7G	Airflow	16	2	2	11:10	00:00
8	PREPARING A CHARGE (Week 7)	87	4	4	0:33:08	0:12:56
8A	Sorting in the sawmill	15	1	1	08:39	00:00
8B	Stacking	27	1	1	13:58	00:00
8C	Sorting at the planer (optional)	16	1	1	00:00	12:56
8D	Loading the kiln	29	1	1	10:31	00:00
9	RUNNING A CHARGE (Week 8)	72	8	4	0:47:59	0:01:41
9A	Preparing to dry	15	1	1	10:26	00:00
9B	Measuring moisture content	24	4	1	15:52	01:41
9C	Running a charge	33	3	2	21:41	00:00
10	EFFICIENCY AND QUALITY (Week 9)	55	6	4	0:38:51	0:00:00
10A	Operating efficiently	22	3	1	15:57	00:00
10B	Maintaining quality	33	3	3	22:54	00:00