

Wood Moisture Solutions, Lumber Drying Workshop Basic

		Section and modules	Slides	Topics	Quizzes	Required Narration	Optional Narration
	1	COURSE INTRODUCTION	23	3	1	09:02	01:05
1	1A	Course introduction	23	3	1	09:02	01:05
	2	GETTING STARTED	30	2	2	16:09	00:00
2	2A	Why wood is dried	15	1	1	09:46	00:00
3	2B	Safety	15	1	1	06:23	00:00
	3	WOOD, THE MATERIAL TO BE DRIED	38	3	3	22:18	00:00
4	3A	Features of lumber	21	2	2	13:30	00:00
5	3B	Wood variability	17	1	1	08:48	00:00
	4	MOISTURE CONTENT AND ITS EFFECT ON WOOD	50	6	5	36:31	00:00
6	4A	Measuring temperature and humidity	11	1	1	07:58	00:00
7	4B	Moisture content	11	1	1	10:53	00:00
8	4D	Water in wood, EMC	13	2	1	08:44	00:00
9	4E	Shrinkage and strength	15	2	2	08:56	00:00
	5	WATER MOVEMENT AND STRESS	68	8	5	48:16	00:00
10	5A	Water movement in wood	21	3	2	15:37	00:00
11	5B	Stress development and relief	22	3	2	18:45	00:00
12	5C	Defect development and prevention	25	2	1	13:54	00:00
	6	SCHEDULES	79	6	6	0:47:37	0:00:00
13	6A	Time-based schedule, drying	25	2	2	18:12	00:00
14	6B	Equalization	15	1	1	08:24	00:00
15	6C	Conditioning and cooldown	15	1	1	08:51	00:00
16	6D	Special schedules	15	1	1	08:28	00:00
17	6E	High-temperature drying	9	1	1	03:42	00:00
	7	HOW KILNS OPERATE	125	10	10	1:23:06	0:11:21
18	7A	Kiln designs	11	1	1	08:28	00:00
19	7B	Steam kilns, heating	34	3	3	20:41	00:00
20	7C	Direct-fired kilns (optional)	15	1	1	00:00	08:26
21	7D	Venting and humidification	17	1	1	16:29	02:55
22	7E	Fan systems	17	1	1	16:15	00:00
22	7F	Baffling	15	1	1	10:03	00:00
23	7G	Airflow	16	2	2	11:10	00:00
	8	PREPARING A CHARGE	87	4	4	0:33:08	0:12:56
24	8A	Sorting in the sawmill	15	1	1	08:39	00:00
25	8B	Stacking	27	1	1	13:58	00:00
26	8C	Sorting at the planer (optional)	16	1	1	00:00	12:56
26	8D	Loading the kiln	29	1	1	10:31	00:00
	9	RUNNING A CHARGE	72	8	4	0:47:59	0:01:41
27	9A	Preparing to dry	15	1	1	10:26	00:00
28	9B	Measuring moisture content	24	4	1	15:52	01:41
29	9C	Running a charge	33	3	2	21:41	00:00
	10	EFFICIENCY AND QUALITY	55	6	4	0:38:51	0:00:00
30	10A	Operating efficiently	22	3	1	15:57	00:00
31	10B	Maintaining quality	33	3	3	22:54	00:00

SUMS:	627	56	44	6:22:57	0:27:03
	Slides	Topics	Quizzes	Required	Optional