



Interior and Exterior Earthen and Lime Finishes - Syllabus

Course description:

This course covers the fundamentals of finishing interior and exterior adobe block walls with natural plasters and paints. We focus on mixing and applying earthen plasters, lime plasters and clay or lime/casein paints.

Topics include:

- importance of respiratory and eye safety when preparing and mixing plasters and paints
- helpful tools and materials for plastering
- window and door opening reinforcement
- adobe wall preparation to facilitate maximum earthen plaster adhesion
- locating and testing clay/soil for earthen plasters
- locating sand/aggregates for earthen and lime plasters
- preparing lime putty
- fiber (straw) preparation and chopping techniques
- wheat paste production for strengthening earthen plasters
- casein production for lime paints
- natural exterior earthen plaster stabilization techniques (dung)
- hand application techniques of earthen plasters (base coats, patching)
- hawk & trowel application of earthen and lime plasters (leveling and finish coats)
- earthen plaster ingredients and recipes
- lime plaster ingredients and recipes
- calculating surface area and materials needed
- troubleshooting earthen and lime plasters (cracking, adhesion problems, etc.)