Building Biology Course IBN (BBC)

Course contents:

Building Biology Assessment of Building Materials and Building Science

1. A historical perspective
2. A holistic approach
3. Assessment of building materials and components - Introduction
4. Thermal insulation – Thermal storage – Surface temperature
5. Hygroscopicity
6. Material moisture and drying time
7. Water vapor diffusion – Condensation – Moisture protection
8. Wind barriers – Air barriers – Air leakage
9. Moisture damage in interior insulation
10. Sorption – Regeneration – Toxins – Odors
11. Electromagnetic properties
12. Radio-frequency radiation
13. Radioactivity and radon gas
14. Sensory perception
15. Biophysical measurements
16. Acoustic characteristics – Sound insulation – Sound absorption
17. Price/performance ratio
18. Holistic assessment of insulation materials
19. Overall assessment from a building biology perspective
20. Standard of Building Biology Testing Methods