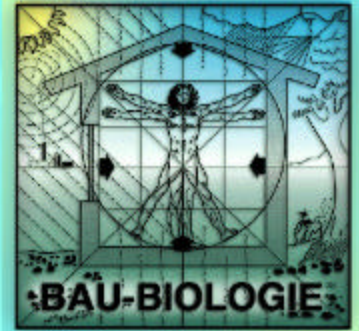


International Institute for Bau-Biologie™ & Ecology (IBE)

Natural, Healthy Buildings
Indoor Air, Water and Materials
Electromagnetic Radiation
Courses and Seminars

Going Beyond Green

1401 A Cleveland Street - Clearwater, FL 33755 - Phone: 727.461.4371 - Fax 727.441.4373



COURSE PROSPECTUS – IBE Course 312

ELECTROMAGNETIC RADIATION (EMR) DETECTION & MITIGATION

**Bringing together design methods and
technology to provide the information needed
to create healthy homes and workplaces**

International Institute for Bau-biologie & Ecology

1401 A Cleveland Street • Clearwater, FL 33755 • 727.461.4371

Website: www.buildingbiology.net , E-mail baubiologie@earthlink.net

IBE is a 501 (c) 3 non-profit educational organization

IBE 312 Electromagnetic Radiation – Detection and Mitigation

Proper identification and mitigation of problems related to low frequency and high frequency electromagnetic issues, specifically in the non-ionizing radiation band, which includes the power frequency and communications band. This advanced seminar is designed to reinforce the basic knowledge obtained during the Level 200 courses and from practical experience.

Topics include:

- Current industry trend in sampling and mitigation for electric fields
- Current industry trend for sampling and mitigation for magnetic fields
- Current industry trend in sampling and mitigation for communication frequencies
- Current industry trend for sampling and mitigation for other radio frequencies
- Review of research and their significance
- Case study discussion

Resources: [Electromagnetic Fields](#) by B. Blake Levitt;

Time requirement: 3 days

Prerequisites recommended: BBEC, or equivalent

Seminar Schedule:

Day 1

- Overview, Objectives, Housekeeping
- Building Biology Guidelines
- AC Electric Fields
- Common Sources
- Environmental Health Issues
- EMR Inspection Protocol
- Mitigation
- Lab: Measurement/Detection

All protocols and acceptance standards will follow IBE guidelines. Basic knowledge of the electromagnetic spectrum and terminology is assumed, as well as successful completion of the IBE on-line study module – *Electromagnetic Radiation* and IBE 212.

Day 2

- AC Magnetic Fields
- Common Sources
- Environmental Health Issues
- EMR Inspection Protocol
- Mitigation
- Lab: Measurement/Detection

This seminar is interactive with demonstrations, labs and research assignments designed to reinforce the lecture material.

Day 3

- Overview of Radio Frequency
- Common Sources
- Environmental Health Issues
- EMR Inspection Protocol
- Mitigation
- Lab: Measurement/Detection

*The daily schedules are only approximations and will vary from seminar to seminar.