

IBE 312

2016

Advanced Electromagnetic Radiation



Enrollment is open only to students who have successfully completed IBE 212 Electromagnetics; exceptions can be made for candidates with professional real-world experience by applying to IBE and after considering specifics supplied. Ask for a waiver application.

Participants are required to review the course work for IBE 212 as this basic material will not be reviewed, and it is assumed that participants know this information and are totally familiar with it, and are able to make measurements with the basic instrumentation use in IBE 212.

The daily schedule includes lectures, instrument demonstrations, group labs with recommended instrumentation, inter-active discussions of lab results and, finally, a full assessment of retreat premises.



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Please Note Carefully: The hands-on labs conducted 4 out of 5 days consist of realistic situations set up by the instructors where elevated electric, magnetic and radio frequency fields exist. These fields exist in order to practice use of instruments for evaluation of conditions and identification of sources and to practice remediation of the fields. These field levels exceed those found in most normal circumstances. Electric fields may range up to 100 v/m close to sources. Magnetic fields will be of 6 milli-Gauss in large areas of the lab room and closer to sources. Pulsed, digital RF levels will range up to several thousand microwatts per square meter close to sources. While efforts are made to limit the length of time these fields are on, they do exist for some time during each lab. In the final lab all 3 fields types will exist possibly together. Please consider this reality in making your decision to attend this seminar.



Please direct all inquiries to:
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