



iBwave CERTIFICATION COURSE SYLLABUS

iBwave Reach

Note: Course syllabus is subject to change

LEARNING OBJECTIVES

This course takes you through the process of designing a new Campus Network project in iBwave Reach. It also covers how to exchange information between iBwave Reach and iBwave Design for accurate propagation prediction.

Upon completion of this course, you will be able to:

- ✓ Describe the challenges & best practices of Campus Network design.
- ✓ Set up projects in iBwave Design and iBwave Reach for proper collaboration.
- ✓ Configure various project properties in iBwave Reach for Campus Networks.
- ✓ Integrate fully modeled iBwave Design projects as areas in iBwave Reach.
- ✓ Import and export data between iBwave Reach and iBwave Design.
- ✓ Analyze outdoor predictions with and without indoor prediction consideration.

CAMPUS DESIGN CHALLENGES AND BEST PRACTICES

- ✓ Five key challenges of campus networks
- ✓ Campus design best practices
- ✓ iBwave Reach: bridging the gap between indoor and outdoor

SETTING UP A PROJECT

- ✓ Setting up a project in iBwave Design
- ✓ Setting up a project in iBwave Reach

CONFIGURING A PROJECT

- ✓ Units of measurement
- ✓ Geodata
- ✓ Propagation models
- ✓ Antenna files
- ✓ Prediction heights
- ✓ Spectrum
- ✓ User equipment
- ✓ Sites

ADDING iBwave PROJECT AREAS

- ✓ Adding campus project files
- ✓ Generating outdoor predictions

CONNECTING iBwave REACH AND iBwave DESIGN

- ✓ Importing iBwave Reach prediction to iBwave Design
- ✓ Viewing outdoor prediction in iBwave Design
- ✓ Preparing indoor maps for export to iBwave Reach
- ✓ Exporting iBwave Design prediction to iBwave Reach

PREDICTION ANALYSES

- ✓ Creating prediction
- ✓ No in-building prediction considered
- ✓ In-building prediction considered
- ✓ Compare prediction analyses
- ✓ View prediction analyses in 3D
- ✓ View prediction analyses statistics

FINAL EXAM

- ✓ Done online through the Learning Center in the week following the training
(3 hours)