



iBwave TRAINING COURSE SYLLABUS

STADIUM DESIGN MODELING MODULE

Note: Course syllabus is subject to change

COURSE PREREQUISITES

- ➔ Level 2 or equivalent skills
- ➔ Knowledge of Building Modeling and Capacity Planning in iBwave Design

INTRODUCTION TO STADIUM DESIGN

- ✓ Course Objectives
- ✓ Course Outline
- ✓ About iBwave

STADIUM MODELING AND DESIGN REQUIREMENTS

- ✓ Stadium Modeling
- ✓ Stadium Design Methodology
- ✓ Key Performance Indicators (KPIs)
- ✓ Stadium Modeling Exercise
- ✓ Stadium Design Workshop Activity 1

STADIUM DESIGN ISSUES

- ✓ Designing Stadiums
- ✓ Case Study: Design for an International Football Stadium
- ✓ Design for Coverage
- ✓ Interaction with Surrounding Macrocells
- ✓ Sectorization Strategies
- ✓ Design for Distribution System
- ✓ Business Case Considerations
- ✓ Stadium Design Workshop Activity 2

STADIUM DESIGN ADVANCED TOPICS

- ✓ Radio Measurements
- ✓ Handover Planning
- ✓ Multi-Sector Systems in Stadiums
- ✓ Installation Constraints
- ✓ Design Considerations
- ✓ Multi-Sector Stadium Design Workshop

Knowledge check questions will be provided throughout the course.