



ECSE Design



Agenda

Time	Day 1	Day 2	Day 3	Day 4
9:00 - 10:30	<ul style="list-style-type: none"> • Introductions • How a NIC Works • RF Fundamentals 	<ul style="list-style-type: none"> • Day 1 Review • WLAN Requirements • Medical Clinic Group Assignment 	<ul style="list-style-type: none"> • Designing for Multiple Floors Exercise • Auto-Planner Exercise 	<ul style="list-style-type: none"> • AP on a Stick Surveys • Ekahau Pro Reporting Features
10:30 - 10:45	Break			
10:45 - 12:30	<ul style="list-style-type: none"> • RF Fundamentals • Modulations • dB Math 	<ul style="list-style-type: none"> • Medical Clinic Group Assignment • Ekahau Pro Design Demonstration Using Medical Clinic - Sensitivity Analysis 	<ul style="list-style-type: none"> • Designing for Capacity Exercise • Outdoor Designs Exercise • Measuring Wall/Area RF Attenuation Exercise 	<ul style="list-style-type: none"> • Spectrum Analysis using Ekahau Sidekick Demo & Exercise • Frequency Monitor • Survey Inspector & Troubleshooting
12:30 - 13:15	Lunch			
13:15 - 15:00	<ul style="list-style-type: none"> • Antenna Fundamentals • 802.11 Fundamentals 	<ul style="list-style-type: none"> • Install Ekahau Pro • Football Field Exercise • Drawing Walls Exercise • CAD Import Exercise • K-12 Design Exercise 	<ul style="list-style-type: none"> • Rules for Accurate Site Surveys • Validation Survey iPad & Ekahau Connect Exercise 	<ul style="list-style-type: none"> • ECSE Exam Review • ECSE Exam
15:00 - 15:15	Break			
15:15 - 17:00	<ul style="list-style-type: none"> • Association • Contention Vocabulary 	<ul style="list-style-type: none"> • Small Warehouse Exercise • Large Warehouse Exercise • Cube Farm Exercise • Scaling Exercise 	<ul style="list-style-type: none"> • Analyzing Survey Results • Reviewing all Visualizations & Ekahau Pro Options • Active vs. Passive Throughput Surveys 	
Homework	Explain: <ul style="list-style-type: none"> • "Green Diamond" • "The Game" • "Antenna Rule" 	Do team Medical Clinic Design in Ekahau Pro, then redo to meet all requirements	<ul style="list-style-type: none"> • Read White Papers • Review for Exam • Review Vocabulary 	Additional Online Video Modules: <ul style="list-style-type: none"> • GPS Surveys • Custom Reporting • APoS Gear • Modulations Review