

# ECSE 2016

## 4-Day Course Outline

	Day 1	Day 2	Day 3	Day 4
9:00	Introductions	Day 1 Review	Medical Clinic Review	Live Survey Exercise & AP on a Stick
9:15			Designing for Multiple Floor Exercises	
9:30	How a NIC Works	WLAN Design Requirements		Reporting & Template Exercise
9:45	RF Fundamentals (CWNA Lite)			
10:00				
10:15				
10:30	Break	Break	Break	Break
10:45	RF Fundamentals (CWNA Lite)	Medical Clinic Group Assignment	Outdoor Survey & GPS Exercise	Spectrum Analysis Demo and Exercise
11:00			Designing for High Density	
11:15		ESS Design Demonstration		
11:30				
11:45				
12:00	Lunch	Lunch	Lunch	Lunch
12:15				
12:30				
12:45				
13:00	802.11 Fundamentals (CWNA Lite)	Medical Clinic Recap	Measuring RF Attenuation	ECSE Exam Review
13:15		ESS Installation	Rules for Accurate Validation Surveys	ECSE Exam
13:30		Football Field Exercise		
13:45		Import PDF Exercise		
14:00		Retail Space Exercise		
14:15		Break	Break	
14:30	Break	Small Warehouse Exercise	Analyzing Survey Results	
14:45	802.11 Fundamentals (CWNA Lite)	Large Warehouse Exercise		
15:00				
15:15				
15:30				
15:45				
16:00				
16:15			Troubleshooting w/ESS	
16:30		WOW Exercise		
16:45				
17:00	Homework: Explain Association Explain 'The Game'	Homework: Medical Clinic in ESS	Homework: Read White Papers	
	Instructor Provides	Given to Each Student	Venue Provides	Student Provides
	Ekahau Wi-Fi NICs	Temp Licenses	Internet Access	Windows Laptop with Admin Rights
	Metageek DBX	Printed Student Materials	Whiteboard	
	USB Stick w/Docs	ECSE Certificate	Projector	Understanding of OSI, Route/Switch
	Spectrum Demo Gear	Student Exercises	Power for Students	TCP/IP, Networking
	GPS Demo Gear		Table space per student	
	Instructor Machine		Morning Snack	
	Instructor Spare		Lunch	
			Afternoon Snack	