



TACTICAL SCOUTING

COURSE OVERVIEW AND INSTRUCTIONAL GOALS

COURSE LENGTH: 16 Hours (2 Days)

COURSE OVERVIEW

Tactical diagramming is a technique used to determine floor plans by using outside architectural features such as doors, windows, vents, ducts and even the shape of the building itself. Using simple concepts like working from large to small and confidence to ambiguity, students gain knowledge, skills and abilities on how to identify architectural features that provide reliable clues to the locations of interior walls, the types and sizes of rooms and even the location of appliances and wall switches. The course begins with a broad overview on terrain analysis with a focus on urban terrain and the contribution of a reliable floor plan for planning and decision-making. It continues with an explanation of building principles, which heavily influence how residences are constructed. The course will also identify how to diagram houses that have additions or been remodeled, have upper-stories and even structures with multiple-dwellings. The course completes the formal instruction with methods for obtaining reliable intelligence, especially photographs, to enhance the detection of subtle architectural features. The final period is focused on a practical application where students work with each other and instructors on either a class project or using their own photographs, of an actual target location.

INSTRUCTIONAL GOALS

Upon completion of this course the attendee will be familiar with:

1. Tactical diagramming concepts
2. How to read and understand terrain
3. Basic building principles to include materials, design and use
4. How to gather and use scouting intelligence effectively



TACTICAL SCOUTING

DAY TO DAY / HOUR TO HOUR AGENDA

DAY ONE

Hours:

0800-0815
0815-0900
0900-1000
1000-1100
1100-1200
1200-1300
1300-1400
1400-1530
1530-1700

Instruction:

Course Administration
Why It Works: Intro to Tactical Diagramming
Terrain Analysis
Understanding Urban Terrain
Building Principles
Lunch
Rooms
Roofs and Vents
Doors

DAY TWO

Hours:

1600-1800
1800-1930
1930-2030
2030-2230
2230-0100

Instruction:

Windows
Extra Rooms, Extra Stories and Extra Dwellings
Lunch
Gathering Intelligence
Final Practical Application



TACTICAL SCOUTING

COURSE OUTLINE

- I. Preface
 - A. Course Overview
 - B. Instructional Goals
 - C. Agenda
 - D. Outline
 - E. Co-Host Logistics
- II. Why It Works
 - A. Building Codes and Practices
 - B. Coup d'oeil
 - C. CADD (Computer Assisted Drafting and Design)
- III. Terrain Analysis
 - A. Impact of Terrain on Operations
 - B. Terminology
- IV. Understanding Urban Terrain
 - A. History and Division of Land
 - B. Factors Influencing Building Construction
- V. Building Principles
 - A. Building Materials
 - B. Wall Identification
 - C. Three Parts of a Residential House
- VI. Rooms
 - A. Identifying Features
 - B. Room Types
- VII. Roofs and Vents
 - A. Roof Features correlated to Structural and Mechanical Locations
 - B. Reverse Floor Plan



VIII. Doors

A. Types and Usage

IX. Windows

A. Types and Usage

X. Extra Rooms, Extra Stories and Extra Dwellings

A. Detecting Additions

B. Apartments, Hotels and Townhomes

XI. Gathering Intelligence

A. Photography and Reverse Diagramming

XII. Final Practical Application



TACTICAL SCOUTING

CO-HOST LOGISTIC REQUIREMENTS

CLASSROOM

Adequate seating for up to 34 students with tables, good ventilation
Marker board and markers
Flip chart with paper

AUDIO VISUAL

LCD Projector for computer presentation
Large projection screen (minimum of 6'x6' screen size)
Speaker system to connect to laptop for audio
Extension cord and power strip
AV table or cart

OTHER

Access to copier



TACTICAL SCOUTING

STUDENT EQUIPMENT LIST

INDIVIDUAL

Law Enforcement ID

This course is conducted entirely in the classroom

Laptop is helpful to the student, but not mandatory

Student Attire:

Day 1: Business casual dress may be worn

Day 2: Full tactical uniform and equipment to include any camouflage normally utilized should be brought



TACTICAL SCOUTING

NTOA PROVIDED LOGISTICS ITEMS

INSTRUCTOR PACKET (mailed to co-host)

- Extra registration forms for walk-ins
- Course roster
- Instructor agreements
- Student liability waiver forms
- Student flash drives
- Student notebooks

INSTRUCTOR PACKET (emailed in advance)

- Directions to training site and hotel
- Contact numbers for co-host point of contact

COURSE PRESENTATION MATERIALS

- PowerPoint presentations on flash drive

INSTRUCTOR EQUIPMENT

- Laptop computer

OTHER

- 1 textbook for each student: "An Illustrated Guide to Tactical Diagramming"

Order at:
Lantern Books
1 Union Square West, Suite 201
New York, NY 10003
212 414 2275
www.lanternbooks.com
800-856-8664

Or: Amazon



TACTICAL SCOUTING

STUDENT NOTEBOOK CONTENTS

TAB	DESCRIPTION
Preface	Overview, Instructional Goals, Agenda, Outline, Student and Co-host Logistic Requirements
1.	Intro to Tactical Diagramming
2.	Terrain Analysis
3.	Understanding Urban Terrain
4.	Building Principles
5.	Rooms
6.	Roofs and Vents
7.	Doors
8.	Windows
9.	Multi-Story and Additions
10.	Gathering and Using Intelligence