Advanced Insurance Fraud Detection and Investigation Training

Professional Development Training Course Outline

Category	Insurance	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today's digital era, insurance fraud has grown increasingly sophisticated, costing the global economy billions annually. Training Course on Advanced Insurance Fraud Detection & Investigation is designed to empower professionals with cutting-edge knowledge, practical tools, and actionable strategies to identify, prevent, and investigate fraud in the insurance industry. This comprehensive program integrates advanced analytics, regulatory frameworks, and real-world case studies to equip participants with expertise to combat both traditional and cyber-enabled fraud.

With fraud schemes evolving rapidly—from staged accidents and exaggerated claims to digital identity theft and deepfake evidence—insurance professionals must stay ahead using predictive modeling, AI-driven detection, and forensic investigation techniques. This course provides a deep dive into fraud typologies, red flag indicators, interview tactics, data-driven decision-making, and legal compliance, ensuring participants are well-prepared for real-world challenges in insurance fraud prevention and enforcement.

Programme Curriculum

Advanced Insurance Fraud Detection and Investigation Training

Introduction

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Course Objectives

1. Understand the fundamentals of insurance fraud typologies and trends.
2. Utilize AI and machine learning to detect suspicious claims.
3. Apply predictive analytics to identify fraud patterns.
4. Master forensic accounting techniques for fraud analysis.
5. Analyze red flag indicators in claim investigations.
6. Navigate regulatory and legal frameworks governing fraud.
7. Develop effective interview and interrogation techniques.
8. Evaluate digital forensics and eDiscovery tools.
9. Perform risk assessments in underwriting and claims.
10. Build robust internal controls for fraud prevention.
11. Use data visualization tools for fraud reporting.
12. Examine cyber fraud threats in insurance systems.
13. Apply blockchain and smart contracts to reduce fraud.

Target Audience

1. Claims Investigators
2. Insurance Underwriters
3. Risk Managers
4. Compliance Officers
5. Forensic Accountants
6. Legal Advisors in Insurance
7. Fraud Analysts
8. Law Enforcement Personnel

Course Duration: 10 days

Course Modules

Module 1: Understanding Insurance Fraud

- Types of insurance fraud (hard vs. soft)
- Impact on the insurance industry
- Common fraud schemes
- Economic and social consequences
- Red flag indicators
- **Case Study:** Auto claim fraud network dismantled

Module 2: Fraud Risk Assessment

- Fraud risk frameworks
- Identifying high-risk areas
- Tools for risk scoring
- Integrating fraud risk in underwriting
- Continuous monitoring strategies
- **Case Study:** Risk profiling in health insurance

Module 3: Data Analytics in Fraud Detection

- Role of big data in insurance
- Predictive modeling techniques
- Using SQL and Python for fraud analysis
- Data cleansing and preprocessing
- Machine learning models (SVM, Random Forest)
- **Case Study:** Predictive analytics uncover staged accidents

Module 4: Digital Forensics & eDiscovery

- Importance of digital evidence
- Tools for metadata extraction
- Email and document tracing
- Chain of custody best practices
- Legal admissibility of digital evidence
- **Case Study:** Email forensics in a fraudulent disability claim

Module 5: Cyber Fraud in Insurance

- Overview of cyber-enabled fraud
- Common threats: phishing, ransomware, deepfakes
- Cyber insurance challenges
- Techniques to secure digital claims
- Incident response planning
- **Case Study:** Cyber breach leading to false policy claims

Module 6: AI & Machine Learning for Fraud Detection

- Basics of AI and ML
- Training fraud detection models
- Supervised vs. unsupervised learning
- Natural language processing for text data
- Model validation and deployment
- **Case Study:** ML model detects fraudulent life insurance claims

Module 7: Behavioral Analysis & Red Flags

- Detecting behavioral cues
- Social media investigations
- Psychological profiling of fraudsters
- Interview triggers and red flags
- Lie detection technologies
- **Case Study:** Behavioral anomalies in exaggerated injury claims

Module 8: Legal & Regulatory Compliance

- Key laws: FCRA, GLBA, SOX
- International fraud regulations (GDPR, AML)
- Role of insurance regulators
- Compliance audits
- Reporting and documentation
- **Case Study:** Regulatory breach in a misrepresented commercial policy

Module 9: Interview & Interrogation Techniques

- Planning the fraud interview

- Open-ended questioning
- Reading non-verbal communication
- Handling denials and objections
- Documenting the interview
- **Case Study:** Successful confession in a staged accident case

Module 10: Forensic Accounting for Insurance Fraud

- Basics of forensic audits
- Tracing illicit financial flows
- Asset misappropriation detection
- Financial statement red flags
- Report writing and testimony
- **Case Study:** Forensic audit exposes internal fraud ring

Module 11: Claims Investigation Techniques

- Claim file analysis
- Surveillance tools and methods
- Evidence collection protocols
- Coordination with law enforcement
- Reporting findings
- **Case Study:** Investigating a fraudulent fire claim

Module 12: Health Insurance Fraud Schemes

- Types: billing fraud, upcoding, phantom providers
- Fraud detection tools
- Collaboration with healthcare providers
- HIPAA compliance
- Medical records review
- **Case Study:** Doctor-patient collusion uncovered

Module 13: Life & Disability Fraud Detection

- Common life insurance fraud schemes
- Disability fraud trends
- Proof of death and identity verification
- Medical evaluation processes
- Financial motive analysis
- **Case Study:** Fake death claim across multiple states

Module 14: Blockchain & Smart Contracts in Fraud Prevention

- Blockchain basics for insurance
- Smart contracts functionality
- Reducing claim fraud with blockchain
- Data immutability and audit trails
- Real-world applications
- **Case Study:** Blockchain implementation reduces motor claim fraud

Module 15: Fraud Prevention Strategy Development

- Building a fraud prevention framework
- Training and awareness programs
- Technology integration

- Reporting and whistleblower channels
- Continuous improvement models
- **Case Study:** End-to-end anti-fraud program in a global insurer

Training Methodology

- Interactive expert-led lectures
- Case-based learning with real scenarios
- Hands-on data analytics sessions
- Group discussions and peer reviews
- Online assessments and feedback
- Certification upon successful completion

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

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