Insuring Autonomous Vehicles and New Mobility Training Course

Professional Development Training Course Outline

Category	Insurance	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The rapidly evolving landscape of autonomous vehicles (AVs), electric vehicles (EVs), and new mobility solutions such as ride-sharing, drones, and connected transport systems has brought significant disruptions and opportunities to the insurance sector. As smart mobility technologies redefine transportation, insurers must rethink traditional models to adapt to the data-driven, AI-integrated, and tech-centric nature of autonomous and connected mobility ecosystems. Training Course on Insuring Autonomous Vehicles & New Mobility is designed to equip professionals with the knowledge, tools, and insights necessary to navigate the complexities of insuring autonomous vehicles and future mobility solutions.

With key focuses on risk assessment in autonomous driving, insurance underwriting for EVs, regulatory compliance, and cybersecurity in smart mobility, this course prepares insurance professionals, regulators, and mobility innovators for the future. Learn to analyze real-world case studies, explore AI-based telematics, and design future-proof policies for mobility-as-a-service (MaaS), drone logistics, and AV fleets. The course balances technical training with strategic foresight and regulatory alignment.

Programme Curriculum

Insuring Autonomous Vehicles and New Mobility Training Course

Introduction

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Course Objectives

1. Understand risk modeling for autonomous and connected vehicles.
2. Explore insurance frameworks for electric and self-driving vehicles.
3. Analyze liability in autonomous accidents and AI decision-making.
4. Navigate global regulatory frameworks for smart mobility insurance.
5. Assess cybersecurity risks in autonomous transportation systems.
6. Evaluate telematics and IoT data for predictive underwriting.
7. Create policies for drone delivery and air mobility solutions.
8. Address ethical and legal issues in AV insurance claims.
9. Develop insurance strategies for ride-sharing and fleet services.
10. Incorporate ESG and sustainability goals in mobility insurance.
11. Identify opportunities in blockchain-enabled claims processing.
12. Forecast trends in autonomous vehicle insurance market growth.
13. Apply machine learning to claims management and fraud detection.

Target Audiences

Target Audiences:

1. Insurance Professionals
2. Risk Managers
3. Regulatory Officers
4. Legal Advisors
5. Tech Startups in Mobility
6. Fleet Managers
7. Automotive OEMs
8. Policy Analysts

Course Duration: 5 days

Course Modules

Module 1: Foundations of Autonomous Vehicle Insurance

- Evolution of mobility insurance
- Risk factors in Level 3–5 autonomous vehicles
- Legal frameworks and state-level AV policies
- Product liability vs. driver liability
- Key terms: ADAS, AI, LiDAR, and insurance
- **Case Study**: Tesla Autopilot Insurance Controversy

Module 2: Underwriting for New Mobility

- Usage-based and behavior-based insurance (UBI/BBI)
- Telematics and real-time risk profiling
- Data privacy laws (e.g., GDPR, CCPA) in underwriting
- Pricing models for EVs, AVs, and shared mobility
- AI-driven claims prediction models

- **Case Study**: Lemonade’s AI-Powered Policy Platform

Module 3: Liability and Claims in the Age of Autonomy

- Who is liable in an AV crash?
- Role of OEMs, software providers, and users
- Legal precedents shaping AV claims
- Autonomous ethics and insurance
- Litigation trends in smart mobility
- **Case Study**: Waymo vs. Human Driver Lawsuit

Module 4: Cybersecurity & Data Protection

- Cyber threats to AV ecosystems
- Risk transfer and cyber insurance for AVs
- Threat modeling in vehicle software
- Data breach reporting and liability
- Connected car security frameworks (ISO 21434)
- **Case Study**: Jeep Cherokee Hacking Incident

Module 5: Regulation & Compliance in Autonomous Insurance

- Global insurance regulations for AVs (US, EU, APAC)
- Compliance tools for emerging insurers
- Legal frameworks for cross-border AV operations
- Role of government in AV insurance development
- Public-private collaboration for AV safety
- **Case Study**: UK’s Automated and Electric Vehicles Act 2018

Module 6: Fleet & MaaS (Mobility as a Service) Insurance

- Insuring ride-hailing and robo-taxi services
- Risk assessment of AV delivery fleets
- Insurance for e-scooters and shared bikes
- Dynamic pricing for fleet insurance
- Claims management for on-demand transport
- **Case Study**: Uber’s Partnership with Marsh Insurance

Module 7: Drone & Aerial Mobility Insurance

- Insurance needs for UAV logistics
- Regulatory compliance (FAA, EASA) for drones
- Valuation of air mobility risk
- Liability and collision issues in urban air mobility
- Hybrid models for multi-modal insurance
- **Case Study**: Zipline Drone Delivery and Risk Pooling

Module 8: Future Trends & Technology in Mobility Insurance

- Blockchain in claims processing and smart contracts
- Machine learning in fraud detection
- Predictive analytics and AI adoption
- ESG-focused insurance for green mobility
- Market growth and investment opportunities
- **Case Study**: Swiss Re’s Mobility Innovation Incubator

Training Methodology

- Instructor-led sessions with domain experts
- Hands-on workshops using real datasets
- Group simulations of AV incident investigations
- Interactive discussions with legal and tech advisors
- Practical assessments and module-based quizzes

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	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com