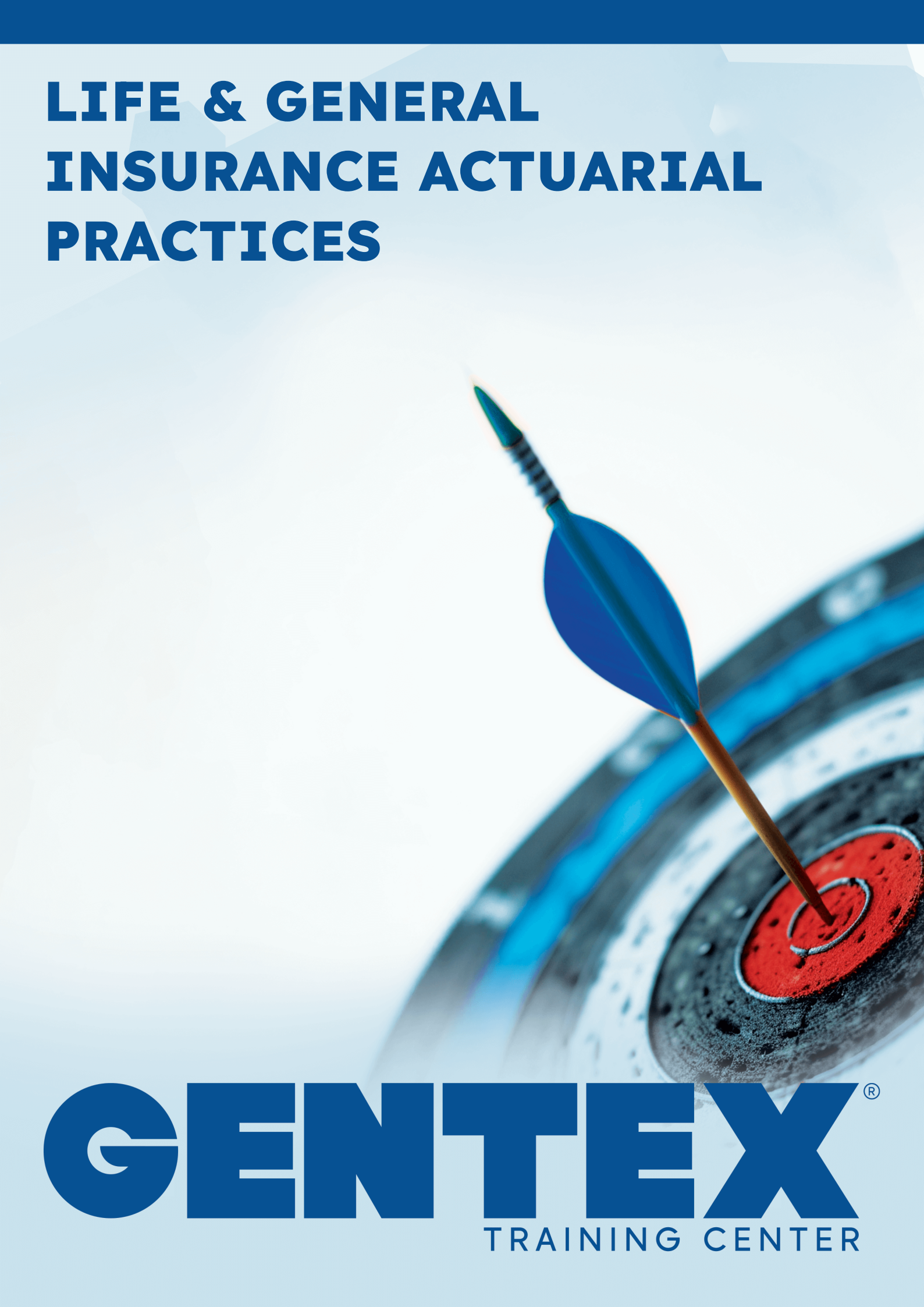
LIFE & GENERAL INSURANCE ACTUARIAL PRACTICES



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TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
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Introduction

Life & General Insurance Actuarial Practices Training Course builds the technical skills that actuaries, underwriters and insurance finance professionals need across both life and non-life business. Participants learn how mortality and morbidity experience shapes life products, and how frequency and severity drive general insurance pricing and reserving. The programme covers premium calculation, technical provisions, chain ladder and Bornhuetter-Ferguson reserving, IBNR estimation, risk margins and solvency capital requirements. Furthermore, it addresses experience analysis, reinsurance and reporting to management and regulators. As a result, delegates can build and challenge actuarial calculations with evidence. Gentex Training Center delivers the programme through modelling workshops and case work.

Life & General Insurance Actuarial Practices Course Objectives

- Explain the actuarial function's role in life and general insurance operations.
- Apply mortality, morbidity and lapse assumptions to life product pricing.
- Calculate premiums and reserves for term, endowment and annuity products.
- Apply frequency and severity analysis to general insurance pricing.
- Estimate outstanding claims reserves using chain ladder and Bornhuetter-Ferguson methods.
- Calculate IBNR, case reserves and unexpired risk reserves.
- Apply risk margins, discounting and technical provision requirements.
- Assess reserve adequacy through development triangles and runoff testing.
- Evaluate reinsurance structures and their effect on retained risk.
- Prepare actuarial reports, disclosures and regulatory submissions.

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Course Methodology

The course combines technical briefings with hands-on modelling workshops in Excel and case-based review. Participants build life pricing and non-life reserving models, test reserve adequacy and prepare a report extract. In addition, structured peer review and group discussion reinforce each technique, and every day closes with an applied actuarial task.

Who Should Take This Course

- Actuarial analysts and actuarial support staff.
- Pricing and product analysts in life and general insurers.
- Underwriters involved in rating and portfolio performance.
- Finance and reporting staff responsible for technical provisions.
- Risk, capital modelling and reinsurance professionals.
- Auditors and consultants reviewing actuarial work.

Life & General Insurance Actuarial Practices Course Outlines

Day 1: The Actuarial Function and Life Insurance Principles

- Role of the actuarial function, valuation and pricing teams.
- Product types: term, whole life, endowment, unit-linked and annuities.
- Mortality tables, survival probabilities and life expectancy.
- Morbidity, critical illness and disability assumptions.
- Lapse, surrender and expense assumptions in pricing.

- Reserving bases and the difference between valuation and pricing.
- Workshop: building a life product assumptions summary.

Day 2: Life Insurance Pricing and Reserving

- Premium calculation for protection and savings products.
- Net premium reserves and gross premium valuation.
- Projected unit credit and prospective reserving methods.
- Embedded value and its components.
- Annuity pricing, longevity risk and mortality improvement.
- With-profit and unit-linked reserving considerations.
- Workshop: calculating a term assurance premium and reserve.

Day 3: General Insurance Pricing and Experience Analysis

- Frequency and severity analysis from claims data.
- Exposure bases and rating factor analysis.
- Large loss treatment and attritional loss modelling.
- Experience rating, exposure rating and credibility weighting.
- Technical premium, expense loading and profit margin.
- Rate monitoring and portfolio mix impact on results.
- Workshop: calculating expected loss cost and technical premium.

Day 4: Non-Life Reserving and Provisions

- Loss development triangles and development factor selection.
- Chain ladder and Bornhuetter-Ferguson methods compared.

- IBNR estimation and unexpired risk reserve testing.
- Discounting, inflation and claims cost trend treatment.
- Risk margins and prudence requirements in provisions.
- Reserve adequacy testing, runoff analysis and sensitivity checks.
- Workshop: completing a development triangle and projecting ultimates.

Day 5: Reinsurance, Capital and Actuarial Reporting

- Proportional and non-proportional reinsurance structures.
- Reinsurance effect on retained risk and reserve credit.
- Solvency capital requirements and risk margin calculation basics.
- Asset-liability matching and investment assumptions.
- Documentation, peer review and actuarial governance.
- Reporting to management, auditors and regulators.
- Workshop: presenting an actuarial report extract before a review panel.

Conclusion

By successfully completing Life & General Insurance Actuarial Practices Training Course, participants will have acquired the knowledge to price life and general insurance products and set technical provisions on a sound basis. They will understand mortality and morbidity assumptions, life pricing, frequency and severity analysis, reserving methods, reinsurance and actuarial reporting, and they will know how to document assumptions that withstand review. As a result, delegates strengthen both premium adequacy and reserve reliability. Gentex Training Center builds the programme around current actuarial practice.

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FAQs for the Life & General Insurance Actuarial Practices course

Q1 What is the "Life & General Insurance Actuarial Practices" course about?

It covers actuarial work across life and non-life insurance. You learn mortality and morbidity assumptions, life product pricing and reserving, frequency and severity analysis, chain ladder and Bornhuetter-Ferguson reserving, IBNR estimation, reinsurance and actuarial reporting, with practical modelling.

Q2 What are the key benefits of the "Life & General Insurance Actuarial Practices" course?

You gain the ability to build and challenge actuarial calculations rather than accepting output uncritically. You also improve premium adequacy, reduce adverse reserve development, strengthen documentation for auditors and regulators, and understand reinsurance and capital effects more clearly.

Q3 What skills will I gain from the "Life & General Insurance Actuarial Practices" course?

You will gain life insurance mortality, pricing and reserving analysis, general insurance frequency and severity pricing, non-life reserving using development triangles and IBNR methods, and reinsurance, capital and actuarial reporting.

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Q4 What tools, methods, or standards are covered in the "Life & General Insurance Actuarial Practices" course?

The course covers mortality tables and survival probabilities, projected unit credit and prospective reserving methods, gross premium valuation and embedded value, exposure and experience rating with credibility weighting, loss development triangles, the chain ladder and Bornhuetter-Ferguson methods, IBNR and unexpired risk reserve testing, risk margins, proportional and non-proportional reinsurance, and solvency capital and risk margin calculation basics.

Q5 How is the "Life & General Insurance Actuarial Practices" course applied in real-world practice?

Graduates apply it to price life and general insurance products, set and review technical provisions, project ultimate claims from triangles, estimate IBNR and risk margins, assess reserve adequacy, evaluate reinsurance structures, and prepare actuarial reports and disclosures for management, auditors and regulators.