Important Exam Information:

Exam Date and Time	A read-through time will be given prior to the start of the exam–15 minutes in the morning session and 15 minutes in the afternoon session.
Exam Registration	Candidates may register online or with an application.
Order Study Notes	Study notes are part of the required syllabus and are not available electronically but may be purchased through the online store.
Introductory Study Note	The Introductory Study Note has a complete listing of all study notes as well as errata and other important information.
Case Study	There is no case study for this examination.
Past Exams	Past Exams from 2000-present are available on SOA website.
<u>Updates</u>	Candidates should be sure to check the Updates page on the exam home page periodically for additional corrections or notices.

Exa	am: ILA - LFV TOPIC: <u>Financial Reporting</u>		
Lea	arning Objectives		
1.	The candidate will understand financial statements and reports of Canadian life insurance companies and be able to analyze the data in them.		
	arning Outcomes		
Th	e candidate will be able to:		
A.	A. Construct the basic financial statement or its components for a life insurance company.		
B.	B. Describe the structure of the Canadian Annual Statement and explain the purpose of its statements, key exhibits and schedules.		
C. Describe how to compute the taxable income of a life insurance company			
D.	D. Describe, use and recommend methods for performing actuarial reviews of reserves		
Sv	llabus Resources		
<u> Sy</u>	 Canadian Insurance Taxation, Borgmann et. al., 3rd Edition, Ch. 1-11, 26, 27. Note: Chapters 1, 2, 7 – 10 		
	and 26 are for background reading only.		
	• Valuation of Life Insurance Liabilities, Lombardi,4 th Edition, Ch. 1		
	• LFV-102-09: Actuarial Review of Reserves and Other Annual Statement Liabilities (same as ILA-C102-		
	09)		
	• LFV-618-13: OSFI Guideline D-10: Accounting for Financial Instruments Designated as Fair Value		
	Option (same as ILA-C618-13)		
	• CIA Educational Note: Valuation of Gross Policy Liabilities and Reinsurance Recoverables, December		
	2010		
	• CIA Educational Note: CALM Implication of AcSB Section 3855 Financial Instruments – Recognition		
	and Measurement (June, 2006)		
	<u>CIA Educational Note on IFRS: Classification of Contracts under IFRS (IASP 3)</u>		
	<u>CIA Educational Note on IFRS: Measurement of Investment Contracts and Service Contracts under IFRS</u>		
	<u>(IASP 4)</u>		
	• <u>CIA Research Paper on IFRS: Embedded Derivatives and Derivatives under IFRS (IASP 10)</u>		
	• <u>CIA Research Paper, IFRS Disclosure Requirements for Life Insurers (December, 2010)</u>		

Exa	Exam: ILA – LFV TOPIC: Principles of V	aluation	
Lea	Learning Objectives		
2.	2. The candidate will be able to understand and apply valuation principles of individual life insurance and annuity products issued by Canadian life insurance companies.		
Lea	Learning Outcomes		
The	The candidate will be able to:		
Α.	A. Describe valuation methods		
В.	B. Recommend appropriate valuation assumptions.		
C.	C. Calculate liabilities for life and annuity products and their associated riders.		
Syl	Syllabus Resources		
•	• Valuation of Life Insurance Liabilities, Lombardi, 4 th Edition, Ch. 1		
•	• LFV-634-14: CIA Standards of Practice: Practice-Specific Standards for Insurer	rs (Sections 2100, 2300, 2500)	
	(June 13, 2013)		
•	• LFV-637-13: OSFI Letter Evidence for Mean Reversion in Equity Prices (same	e as ILA-C637-13)	
•	• <u>CIA Educational Note: Best Estimates Assumptions for Expenses</u> – November 2	2006	
•	• <u>CIA Educational Note: Margins for Adverse Deviations (MfAD)</u> – November 2	2006	
•	• CIA: Valuation of Segregated Fund Investment Guarantees (<u>December 2003</u> and	d <u>October 2005</u>)	
•	• <u>CIA Educational Note: Approximations to the Canadian Asset Liability Method</u>	(CALM): November 2006	
•	<u>CIA Educational Note: Expected Mortality: Fully Underwritten Canadian Individual Life Insurance Policies:</u>		
	July 2002 (excl. appendices)		
•	• <u>Report of the Task Force on Segregated Fund Liability and Capital Methodologi</u>	ies (August 2010)	
•	• <u>CIA Educational Note: Reflection of Hedging in Segregated Fund Valuation (M</u>	ay 2012)	
•	• <u>CIA Educational Note: Future Income and Alternative Taxes</u> excluding Append	ix D (December 2012)	
•	• Final Communication of a Promulgation of Prescribed Mortality Improvement F	Rates Referenced in the	
	Standards of Practice for the Valuation of Insurance Contract Liabilities: Life and Health (Accident and		
	Sickness) Insurance, (Subsection 2350)		
•	• <u>CIA Research Paper: Mortality Improvement Research Paper (September 2010)</u>		
•	• <u>CIA Educational Note: Valuation of Universal Life Policy Liabilities</u> , February,	2012	
•	• <u>CIA Use of Actuarial Judgment in Setting Assumptions and Margins for Advers</u>	se Deviations, November 2006	
•	• <u>CIA Educational Note: Considerations in Valuation of Seg Fund Products</u> , Nove	ember 2007	
•	• <u>CIA Educational Note, Currency Risk in the Valuation of Policy Liabilities for I</u>	Life & Hlth Insurers, Dec 2009	
•	<u>CIA Educational Note, Aggregation and Allocation of Policy Liabilities</u> , September 2003		

• CIA Education Note, Investment Returns for Non-fixed Income Returns for Assets, March 2011

Exam: ILA - LFV	TOPIC: Emerging Standards	
Learning Objectives		
3. The candidate will be able to understand and analyze the implications of emerging financial and valuation standards.		
Learning Outcomes		
The candidate will be able to:		
A. Describe emerging developments impacting Can frameworks, and assess their impact on the valua	adian valuation and International Financial Reporting tion of reserves and financial statements	
Syllabus Resources		
• LFV-609-07: Canadian Institute of Actuaries OSFI S	ubmission: Future Direction of Insurance Capital Rules,	
March 2005 (same as ILA-C609-07)		
• LFV-631-11: Key Principles for the Future Direction	of the Canadian Regulatory Capital Framework on	
Insurance (same as ILA-C631-11)		
• LFV-638-14: Exposure Draft – Insurance Contracts u	nder IFRS – IASB, Pages 13 – 64 (Standard and	
Application Guidance) (June 2013)		
• LFV-132-14: Practical Guide to IFRS, PwC, (July 20	13)	
• LFV-640-14: OSFI: Life Insurance Regulatory Frame	ework (September 2012)	
• LFV-641-14: Draft Guideline: Own Risk and Solven	cy Assessment (E-19) (December 2012)	

Exa	am: ILA – LFV	TOPIC: Financial and Capital Management	
Lea	arning Objectives		
4. The candidate will be able to explain and apply the methods, approaches and tools of financial management and value creation in a life insurance company context.			
Lea	arning Outcomes		
The	e candidate will be able to:		
A.	Describe and calculate performance measures.		
B.	B. Perform financial analysis by product line and total company.		
C.	C. Explain and create a product line "gains by source" analysis.		
D.	D. Apply methods of valuation to business and asset acquisitions and sales. This includes explaining and applying the methods and principles of embedded value.		
E.	. Explain and apply the methods and approaches of surplus management and earnings management.		
F.	C. Describe and apply the principles of how insurance companies create value from a financial economics perspective.		
Syl	labus Resources		
•	LFV-106-07: Ch 4 of Insurance Industry Mergers & Ac	equisitions (Sections 4.1-4.6) (same as ILA-C106-07)	
•	LFV-128-13: Life Insurance Products and Finance, Atkinson and Dallas, Ch. 16		
•	LFV-603-13: OSFI Guideline D-9 -Source of Earning I	Disclosure (Life Insurance Companies) (same as ILA-	
	C603-13)		
•	LFV-626-10: Session PD-28: Embedded Value (EV) and Market-Consistent Embedded Value (MCEV). What		
	is the Difference? (same as ILA-C626-10)		
•	"Strategic Management of Life Insurance Company Surplus," TSA XXXVIII (pages 105-116)		
•	CIA: Sources of Earnings: Determination and Disclosur	<u>re</u> , August 2004	
•	Embedded Value: Practice and Theory, SOA, Actuarial	Practice Forum, March 2009.	

Engill.	LA - LFV TOPIC: <u>Financial and Capital Management</u>		
Learnin	Objectives		
	andidate will understand the Risk Based Capital (RBC) regulatory framework and the principles ng the determination of Regulatory RBC and Economic Capital.		
Learnin	Outcomes		
The car	idate will be able to:		
	cribe the MCCSR/RBC regulatory framework and the principles underlying the determination of alatory RBC.		
	pute MCCSR for a life insurance company, including:		
	i) Identification of significant risk componentsii) Identification of specialized product MCCSR requirements		
iii) Interpreting results from a regulatory perspective			
C. Exj	ain and apply the concepts, approaches and method for determining Economic Capital		
i) ii) iii)	Identification of the significant risk components Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program		
ii) iii)	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program		
ii) iii)	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources		
ii) iii) Syllabu	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program		
ii) iii) <u>Syllabu</u> •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6)		
ii) iii) Syllabu •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6) LFV-121-08: Economic Capital Modeling: Practical Considerations (same as ILA-C121-08) LFV-131-14: Economic Capital Overview, Chad Runchey, August 2012		
ii) iii) Syllabu • •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6) LFV-121-08: Economic Capital Modeling: Practical Considerations (same as ILA-C121-08)		
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ii) iii) Syllabu • •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6) LFV-121-08: Economic Capital Modeling: Practical Considerations (same as ILA-C121-08) LFV-131-14: Economic Capital Overview, Chad Runchey, August 2012 LFV-606-13: OSFI Guideline – Minimum Continuing Capital and Surplus Requirements (MCCSR) For Life Insurance Companies, Sections 1 – 5, 8 – 9, January 1, 2013		
ii) iii) Syllabu • •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6) LFV-121-08: Economic Capital Modeling: Practical Considerations (same as ILA-C121-08) LFV-131-14: Economic Capital Overview, Chad Runchey, August 2012 LFV-606-13: OSFI Guideline – Minimum Continuing Capital and Surplus Requirements (MCCSR) For Life Insurance Companies, Sections 1 – 5, 8 – 9, January 1, 2013 LFV-628-10: Framework for a New Standard Approach to Setting Capital Requirements (same as ILA-		
ii) iii) Syllabu • •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6) LFV-121-08: Economic Capital Modeling: Practical Considerations (same as ILA-C121-08) LFV-131-14: Economic Capital Overview, Chad Runchey, August 2012 LFV-606-13: OSFI Guideline – Minimum Continuing Capital and Surplus Requirements (MCCSR) For Life Insurance Companies, Sections 1 – 5, 8 – 9, January 1, 2013 LFV-628-10: Framework for a New Standard Approach to Setting Capital Requirements (same as ILA-C628-10)		
ii) iii) <u>Syllabu</u> • •	Selecting calculation methods appropriate to stakeholder's perspectives Describing how a company would implement an Economic Capital Program Resources Valuation of Liabilities, Lombardi, 4 th Edition, Ch. 16 (excl. 16.6) LFV-121-08: Economic Capital Modeling: Practical Considerations (same as ILA-C121-08) LFV-131-14: Economic Capital Overview, Chad Runchey, August 2012 LFV-606-13: OSFI Guideline – Minimum Continuing Capital and Surplus Requirements (MCCSR) For Life Insurance Companies, Sections 1 – 5, 8 – 9, January 1, 2013 LFV-628-10: Framework for a New Standard Approach to Setting Capital Requirements (same as ILA- C628-10) LFV-636-13: OSFI Guideline A-4 Internal Target Capital Ratio for Insurance Companies (same as ILA-		

Exam: ILA – LFV	TOPIC: <u>Reinsurance</u>		
Learning Objectives			
6. The candidate will be able to evaluate the circumstances that would make each	various forms of reinsurance, the financial impact of each form, and type of reinsurance appropriate.		
Learning Outcomes			
The candidate will be able to:			
company perspectives	ate the appropriate reinsurance form from the ceding and assuming e the effect on both ceding and assuming companies with respect to:		
Syllabus Resources			
• Life, Health & Annuity Reinsurance, T	iller, 3 rd Edition, Ch. 4-6		
• LFV-606-13: OSFI: Guideline Minimu	um Continuing Capital and Surplus Requirements for Life Insurance		
Companies Section 10 only (January 1, 2013)			
• LFV-632-12: OSFI Guideline B-3: Sou	LFV-632-12: OSFI Guideline B-3: Sound Reinsurance Practices and Procedures (same as ILA-C632-12)		
• <u>Report of the CIA Task Force on the A</u>	Appropriate Treatment of Reinsurance, Oct 2007		
<u>Accounting for Reinsurance Contracts</u>	under International Financial Reporting Standards (IASP 9), (excl		
Appendices C and D)	Appendices C and D)		

Exar	n: ILA - LFV	TOPIC: Professional Considerations	
Lear	ning Objectives		
7. T	he candidate will understand the professional stand	lards addressing financial reporting and valuation.	
Lear	ning Outcomes		
The	candidate will be able to:		
A.	A. Explain the role and responsibilities of the appointed / valuation actuary.		
B.	B. Identify and apply relevant professional actuarial qualification standards.		
C.	C. Identify and apply actuarial standards of practice relevant to financial reporting and valuation.		
D.	Explain the actuary's professional responsibilities to s	takeholders including obligations under Sarbanes-Oxley	
Sylla	abus Resources		
•	LFV-620-14: OSFI Guideline E15: Appointed Actuary – Legal Requirements, Qualifications and External		
	Review (September 2012)		
•	LFV-622-14 CIA Standards of Practice: Practice-Spec	cific Standards for Insurers (Section 2400) (June 13, 2013)	
•	LFV-635-13: Participating Account Management and	Disclosure to Participating Policyholders and Adjustable	
	Policyholders (same as ILA-C635-13)		
•	Actuarial Aspects of SOX 404, Financial Reporter #59, 12/04		
•	Responsibilities of the Actuary for Communicating Sa	urbanes-Oxley control: Effectiveness in Accordance with	
	Actuarial Standards of Practice, Financial Reporter #5	9, 12/04	
•	CIA Educational Note: Guidance on Fairness Opinion	s Required Under the Insurance Companies Act Pursuant	
	<u>to Bill C-57</u> (2005)		