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	C"ecug'uwf { 'y knipqv'dg'wugf 'hqt'y g'Ur tkpi '4233'uguukqp0
Past Exams	Past Exams from 2000-present are available on SOA web site.
<u>Updates</u>	Candidates should be sure to check the Updates page on the exam home page periodically for additional corrections or notices.

Ex	Exam: ILA - CSP TOPIC: Financial Reporting		
Lea	arning Objectives		
1.	1. The candidate will understand basic financial statements and reports of U.S. life insurance companies and be able to analyze the data in them.		
Lea	arning Outcomes		
Th	e candidate will be able to:		
A.	Construct the basic financial statements for a life insuraccounting methods and principles.	rance company under U.S. GAAP and Statutory	
B.	Describe the structure of the U.S. Annual Statement a	nd explain the purpose of its major exhibits and schedules.	
C.	Compute the basic taxable income of a life insurance	company.	
D.	 D. Explain the appropriate accounting treatments for such items as but not limited to: i) Separate Accounts ii) Embedded options iii) Derivatives iv) Secondary guarantees 		
E.	Describe and critique the framework and principles us approach.	ed in the calculation of reserves under a Fair Value	
F.	Describe emerging developments impacting U.S. GAA their impact on the valuation of reserves.	AP and International Reporting frameworks, and assess	
G.	Describe and critique the fundamental approaches of t	financial economics to valuation of liabilities.	
Н.	H. Develop, use and recommend methods for performing actuarial reviews of reserves.		
Syllabus Resources			
•	US GAAP For Life Insurers, Second Edition, 2006 Chapter 1 GAAP Objectives and Their Implication Chapter 2 Authorities (exclude 2.3) Chapter 13 Investment Accounting (exclude 13.7) Chapter 14 Shadow Adjustments (SFAS 115) Chapter 18 (exclude 18.4) Other Topics Chapter 19 Financial Statement Presentations	×	
•	Valuation of Life Insurance Liabilities, Fourth Edition Chapter 1, Overview of Valuation Requirements Chapter 2, NAIC Annual Statement	a, 2006	
•	 ILA-C100-07: Financial Reporting Developments Accounting for Derivative Instruments and Hedging Activities: A Comprehensive Analysis of FAS 133. Overview and Appendix C only. ILA-C102-09: Actuarial Review of Reserves and Other Annual Statement Liabilities. Ed Robbins 		

- ILA-C127-11: Insurance Contracts, July 2010 Exposure Draft IASB, pages 19 to 84 only
- ILA-C800-07: *IASA*: Chapter 12 Federal Income Taxation, (up to page 15 and pages 32-33 only)
- ILA-C809-09: Emerging Financial Reporting Issues, E&Y, (exclude pp.10-20)

• SOP 05-1: Financial Reporter Article 03/06: AICPA Releases SOP 05-1- Accounting by Insurance Enterprises for Deferred Acquisition Costs in Connection with Modifications or Exchanges of Insurance Contracts http://www.soa.org/library/newsletters/financial-reporter/2006/march/frn0603.pdf

• An Approach to Fair Valuation of Insurance Liabilities Using the Firm's Cost of Capital, NAAJ, Apr 2002, p. 18-23

http://www.soa.org/library/journals/north-american-actuarial-journal/2002/april/naaj0204_3.pdf

- Fair Value of Liabilities: The Financial Economic Perspective, NAAJ Jan 2002
 http://www.soa.org/library/journals/north-american-actuarial-journal/2002/january/naaj0201_2.pdf
- SFAS 157 Fair Value Measurements, paragraphs 1-30 http://72.3.243.42/pdf/fas157.pdf
- SOA Research Project on Financial Reporting for Insurance Contracts under Possible Future International Standards, pp. 6-43, 67-70, 74-81

http://www.soa.org/files/pdf/research-2008-ifrs-report.pdf

 ASOP 10 "Methods and Assumptions for Use in Life Insurance Company Financial Statements Prepared in Accordance With GAAP (excluding Transmittal Memo and Appendices) <u>http://www.actuarialstandardsboard.org/pdf/asops/asop010_068.pdf</u>

Eve	um: ILA – CSP	TOPIC: Principles of Valuation	
	rning Objectives	TOPIC. Principles of Valuation	
2.	The candidate will be able to understand and apply annuity products issued by U.S. life insurance com	v valuation principles of individual life insurance and panies.	
Lea	rning Outcomes		
The	e candidate will be able to:		
A.	Describe and differentiate between valuation methods i) U.S. statutory ii) U.S. GAAP iii) U.S. tax	under the following standards:	
	iv) Fair value accounting		
B.	 Recommend appropriate valuation assumptions under i) U.S. statutory ii) U.S. GAAP iii) U.S. tax iv) Fair value accounting 	the following standards:	
C.	Calculate liabilities under U.S. statutory, U.S. tax, U. following products: i) Traditional life insurance ii) Term life insurance iii) Universal life insurance iv) Universal life insurance with secondary guarantee v) Deferred annuity vi) Payout annuity vii) Variable annuity with guaranteed minimum death viii) Variable annuity with guaranteed living benefits ix) Equity-indexed annuities x) Equity-indexed life insurance xi) Variable life insurance with guaranteed minimum xii) Riders	es benefits	
D.	Describe and calculate Investment Maintenance and A	sset Valuation Reserves	
E.	Describe and assess the impact of emerging U.S. prince	siple-based reserve regulation on the valuation of reserves	
Svl	Syllabus Resources		
•	US GAAP For Life Insurers, Second Edition, 2006 Chapter 3 Expenses and Capitalization (exclude 2 Chapter 4 Traditional Life Insurance (SFAS 60 & Chapter 6 Universal Life Insurance Chapter 7 Deferred Annuities Chapter 8 Variable and Equity-Based Products Chapter 9 Annuities in Payment Status		
•	Valuation of Life Insurance Liabilities, Fourth Edition Chapter 1 Overview of Valuation Requirements Chapter 4 Valuation Assumptions Chapter 5 Valuation Methodologies and Approxi		

 Chapter 6 Whole Life Chapter 7 Term Life Insurance Chapter 7 Variable Life Insurance Chapter 9 Variable Life Insurance Chapter 10 Deferred Annuities Chapter 11 Immediate Annuities Chapter 12 Miscellaneous Reserves I.LA-C800-07: <i>IASA</i> : Chapter 8, pages 12-16 I.LA-C802-07: U. S. Tax Reserves for Life Insurers: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves I.LA-C807-07: MAIC Standard Valuation Law I.LA-C807-07: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 I.LA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital I.LA-C811-10: Actuarial Guideline XXXV I.LA-C811-10: Actuarial Guideline XXXV I.LA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009 http://www.soa.org/library/journals/actuarial-reporter/2009/april/fm-2009-iss76.pdf
 Chapter 8 Universal Life Insurance Chapter 9 Variable Life Insurance Chapter10 Deferred Annuities Chapter 11 Immediate Annuities Chapter 12 Miscellaneous Reserves ILA-C800-07: <i>IASA</i> : Chapter 8, pages 12-16 ILA-C802-07: <i>U. S. Tax Reserves for Life Insurers</i> : Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C811-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporte, April 2009
 Chapter 9 Variable Life Insurance Chapter 10 Deferred Annuities Chapter 11 Immediate Annuities Chapter 12 Miscellaneous Reserves ILA-C800-07: <i>IASA</i> : Chapter 8, pages 12-16 ILA-C802-07: <i>U. S. Tax Reserves for Life Insurers</i> : Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C811-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Chapter 10 Deferred Annuities Chapter 11 Immediate Annuities Chapter 12 Miscellaneous Reserves ILA-C800-07:<i>IASA</i> : Chapter 8, pages 12-16 ILA-C802-07: <i>U. S. Tax Reserves for Life Insurers</i>: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C811-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Chapter 11 Immediate Annuities Chapter 12 Miscellaneous Reserves ILA-C800-07:<i>IASA</i> : Chapter 8, pages 12-16 ILA-C802-07: <i>U. S. Tax Reserves for Life Insurers</i>: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Chapter 12 Miscellaneous Reserves ILA-C800-07:<i>IASA</i> : Chapter 8, pages 12-16 ILA-C802-07: U. S. Tax Reserves for Life Insurers: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C811-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C800-07:<i>IASA</i> : Chapter 8, pages 12-16 ILA-C802-07: <i>U. S. Tax Reserves for Life Insurers</i>: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C802-07: U. S. Tax Reserves for Life Insurers: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C802-07: U. S. Tax Reserves for Life Insurers: Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Chapter 2 Tax-Basis Reserves Generally Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Chapter 7 section 807(f) and Changes in the Computation of Reserves ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C803-07 NAIC Standard Valuation Law ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C807-09: Market Value Margins for Insurance Liabilities in Financial Reporting and Solvency Applications, E&Y, October 2007, pages 1-65 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C808-11: Fundamentals of the Principle Based Approach to Statutory Reserves and Risk Based Capital ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C810-10: AAA Practice Note on FAS 157 and 159 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C811-10: Actuarial Guideline XXXV ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 ILA-C812-10: A Discussion of Actuarial Guideline 43 for Variable Annuities, Milliman Research Report, April 2009 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 An Approach for Measurement of the Fair Value of Insurance Contracts, Gutterman, et al., Actuarial Practice Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 Forum, May 2007 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
 <u>http://www.soa.org/library/journals/actuarial-practice-forum/2007/may/APF0705_04.pdf</u> Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
• Fair Value Accounting: Trouble-maker or Life-saver? Financial Reporter, April 2009
• FAS 157 Staff Position Paper, pp. 1-8
http://www.fasb.org/cs/ContentServer?c=Document C&pagename=FASB%2FDocument C%2FDocumentPage
&cid=1176154545450

Exa	m: ILA - CSP	TOPIC: Reinsurance	
Lea	Learning Objectives		
3.			
Lea	rning Outcomes		
The	candidate will be able to:		
A.	 For traditional and financial reinsurance, explain the c assuming companies with respect to: i) risk transfer ii) cash flow, iii) financial statement presentation iv) tax impact, and v) reserve credit requirements 	onsequences and evaluate the effect on both ceding and	
B.	Describe the considerations and evaluate the appropria company perspectives.	ate reinsurance form from the ceding and assuming	
	Syllabus Resources		
•	Life and Health Reinsurance, Third Edition, 2005 by T Chapter 4 Basic Methods of Reinsurance Chapter 5 Advanced Methods of Reinsurance Chapter 6 The Reinsurance Treaty Chapter 10 Reinsurance Regulations Chapter 12 Statutory Accounting for Reins. Chapter 13 GAAP Accounting for Reinsurance Chapter 14 Tax Effects on Reinsurance	Γiller:	
•	ASOP #11: The Treatment of Reinsurance Transaction Statements (excluding Transmittal Memo and Append http://www.actuarialstandardsboard.org/pdf/asops/aso	dices)	

Exa	Exam: ILA - CSP TOPIC: Financial and Capital Management		
Lea	Learning Objectives		
4.	4. The candidate will be able to explain and apply the basic methods, approaches and tools of financial management and value creation in a life insurance company context.		
Lea	arning Outcomes		
Th	e candidate will be able to:		
A.	Describe and calculate basic performance measures.		
B.	Perform basic financial analysis on a product line or c	ompany.	
C.	Explain and create a product line "gains by source" an	alysis.	
D.	Apply methods of valuation to business and asset acqu	uisitions and sales.	
E.	E. Explain and apply the basic methods and approaches of surplus management and earnings management.		
F.	F. Describe how securitization is used within capital management.		
G.	G. Explain and apply the methods and principles of embedded value.		
H.	 H. Describe and apply the principles of how insurance companies create value from a financial economics perspective. 		
Syl	labus Resources		
•	Life Insurance Products and Finance, Atkinson and D Chapter 16 Financial Management	ballas, 2000	
•	• ILA-C106-07: <i>Mergers and Acquisitions</i> : Chapter 4 (Sections 4.1-4.6)		
•	ILA-C107-07: Securitization of Life Insurance Assets ILA-C110-07: The Economics of Insurance: How Insu		
•	http://www.soa.org/library/proceedings/valuation-actuary-symposium-proceedings/1985- 99/1996/january/vasp965.pdf		

Exan	n: ILA - CSP	TOPIC: Financial and Capital Management
Lear	ning Objectives	
5. The candidate will understand the Risk Based Capital (RBC) regulatory framework and the principles underlying the determination of Regulatory RBC and Economic Capital		
Lear	ning Outcomes	
The o	candidate will be able to:	
A. Describe the US Risk Based Capital (RBC) regulatory framework and the principles underlying the determination of Regulatory RBC		
 B. Compute RBC for a life insurance company, including: i) Identification of significant risk components ii) Identification of specialized product RBC requirements iii) Interpreting results from a regulatory perspective 		
C. Explain and apply the concepts, approaches and methods for determining Economic Capital.		
Sylla	bus Resources	
•	Valuation of Liabilities, Lombardi, Fourth Edition, 20 Chapter 1 Overview of Valuation Requirements Chapter 16 Risk-Based	06
	ILA-C121-08: Economic Capital Modeling: Practical ILA-C808-11: Fundamentals of the Principle Based A	Considerations, Milliman White Paper Approach to Statutory Reserves and Risk Based Capital
 Economic Capital for Life Insurance Companies, SOA Research paper, Feb 2008, Chapters 1 and 3-6 <u>http://www.soa.org/files/pdf/research-ec-report.pdf</u> Economic Capital: The Controversy at the Water Cooler, Financial Reporter, Fall 2006 <u>http://www.soa.org/library/newsletters/risk-management-newsletter/2006/december/RMN0612.pdf</u> 		
•	Transitioning to RBC C3 Phase III, Financial Reporte http://www.soa.org/library/newsletters/financial-reporte Multi-Stakeholder Approach to Capital Adequacy,	r, March 2010 rter/2010/march/frn-2010-iss80.pdf
	http://www.soa.org/library/journals/actuarial-practice	

Exa	am: ILA - CSP	TOPIC: Model Office and Asset/Liability Modeling	
Lea	rning Objectives		
6.	 The candidate will be able to integrate data from various sources into model office and asset/liability models 		
Lea	arning Outcomes		
The	e candidate will be able to:		
 A. For an ALM model: i) Select appropriate assumptions and scenarios ii) Model dynamic behavior of both assets and liabilities iii) Model and explain various strategies, including hedging iv) Analyze and evaluate results v) Recommend appropriate strategies 			
B.	Apply a model office process and make appropriate	recommendations.	
C.	Analyze and explain actual vs. projected differences	3.	
D.	 D. Explain limitations of models and possible sources of error i) Quality of data ii) Granularity of the model 		
Syl	labus Resources		
•	<i>Life Insurance Products and Finance</i> , by Atkinson a Chapter 14 Financial Modeling Chapter 15 Stochastic Modeling, pp.785-831 a		
•	Valuation of Life Insurance Liabilities, Lombardi, 4 Chapter 13	th Edition, 2006	
• • •	ILA-C112-07: ALM for Insurers ILA-C113-07: Chapter 22 of <i>Life Insurance Accoun</i> ILA-C114-07: Life Insurance Forecasting and Liabi ILA-C804-07: Actuarial Opinion and Memorandum	lity Models (exclude appendices)	
•	and Appendices) http://www.actuarialstandardsboard.org/pdf/asops/a	dequacy Analysis (excluding Transmittal Memo and <u>/pdf/asops/asop022_083.pdf</u> emo and Appendices)	
•	Asset Adequacy Analysis Practice Note, Dec. 2004 http://www.actuary.org/pdf/practnotes/life_asset.pdf	Exclude Sections B, I and K	

Exa	Exam: ILA - CSP TOPIC: Risk Management And Mitigation		
Lea	Learning Objectives		
 The candidate will be able to evaluate risks faced by a Company by virtue of the Company's products, assets, and management strategies and practices, and be able to evaluate the appropriateness of various methods of risk mitigation. 			
Lea	Learning Outcomes		
Th	The candidate will be able to:		
 A. Identify, categorize and evaluate potential sources of risk in products including but not limited to mortality, morbidity and lapse. 			
B.	B. Identify, categorize and evaluate potential sources of risk in investments including but not limited to credit risk, liquidity and asset-liability matching.		
C.	C. Describe and evaluate the other risks an insurance company faces including operational, marketplace and expense risks.		
D.	D. Describe how risks (e.g. product, investments and operational) and opportunities interact and how they influence firm strategy.		
E.	E. Describe and apply methods of risk mitigation and hedging and to understand the limitations of such methods.		
F.	F. Evaluate methods for measuring and controlling equity-based exposure associated with embedded options.		
G.	G. Describe the roles of rating agencies, analysts and regulators together with their methods and impact on insurance companies.		
Syllabus Resources			
•	• ILA-C124-10: S&P's Insurance Criteria: Refining the Focus of Insurer ERM Criteria, June 2006 (exclude pp. 20-26 (Property/Casualty (Nonlife) Insurance Risk)		
•	guides/enterprise-risk-management/2005/august/spg0605erm.pdf		

 Stochastic Analysis of Long Term Multiple-Decrement Contracts, Clark and Runchey, Jan 2008 (Exclude Appendices) <u>http://www.soa.org/files/pdf/research-stochastic.pdf</u>

Exam: ILA - CSP TOPIC: Professional Considerations		
Learning Objectives		
8. The candidate will understand the professional sta	ndards addressing financial reporting and valuation.	
Learning Outcomes		
The candidate will be able to:		
A. Explain the role and responsibilities of the appointed	valuation actuary.	
B. Identify and apply relevant professional actuarial qual	ification standards.	
C. Identify and apply actuarial standards of practice relevant	vant to financial reporting and valuation.	
D. Explain the actuary's professional responsibilities to stakeholders including obligations under Sarbanes-Oxley.		
Syllabus Resources		
Valuation of Life Insurance Liabilities, Lombardi, Fourth Edition, 2006 Chapter 3, Valuation Process Chapter 15 The Valuation Actuary in the US		
• ILA-C119-07: "Management Reports and Reports to Regulatory Bodies", Ch. 19 of <i>Life and Accident and Health Insurance Accounting</i>		
ILA-C126-10: SEC Guidance on Internal Control Over Financial Reporting		
• Actuarial Aspects of SOX 404, Financial Reporter, Dec 2004		
http://www.soa.org/library/newsletters/financial-reporter/2004/december/frn0412.pdf		
Responsibilities of the Actuary for Communicating Sarbanes-Oxley control: Effectiveness in Accordance with Actuarial Standards of Practice, Financial Reporter, Dec 2004		
 <u>http://www.soa.org/library/newsletters/financial-reporter/2004/december/frn0412.pdf</u> ASOP 41 - Actuarial Communication (excluding Transmittal Memo and Appendices) 		
• ASOP 41 - Actuarial Communication (excluding Transmittal Memo and Appendices) http://www.actuarialstandardsboard.org/pdf/asops/asop041_086.pdf		
• ASOP 21 - Responding to the Auditor (excluding Tra	ansmittal Memo and Appendices)	
http://www.actuarialstandardsboard.org/pdf/asops/asop021_095.pdf		