

ACTEX Learning

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Spring 2020 Catalog
November 2019 - April 2020

24 HOURS
FREE TRIAL
ACTEX & ASM
STUDY MANUALS

What's Inside

- ✓ New ACTEX & ASM Study Manuals
- ✓ eLearning News
VEE On-demand Courses
StudyPlus+ eLearning Tools
- ✓ CPD Opportunities
Training Series
- ✓ GOAL
Practice. Quiz. Test.
Thousands of questions
& detailed Solutions
- ✓ Discounts
Full-time students, military,
educators & regulatory actuaries
- ✓ Resources for Professors
Actuarial Resource Center (ARC)
Desk/Examination copies





ACTEX Learning

Learn Today. Lead Tomorrow.

Dear Actuaries, Actuarial Educators & Students,

The insurance industry is changing and ACTEX is changing with it! We regularly expand and update our products to meet each new major development. Online learning, big data and the widespread use of mobile apps are leading to unprecedented innovation. The InsurTech revolution will present unprecedented challenges and opportunities for actuaries around the world.

ACTEX will help you better prepare for this changing landscape. You can count on us to offer new and updated materials – everything you need to stay current with industry developments, CPD requirements, and continue passing exams. Plus, we have rolled out new delivery methods to improve your online learning experience. A few highlights are listed below.

- **GOAL**
 - ✓ Our popular online exam prep Q&A tool with over 8,000 questions and detailed solutions
 - ✓ Available for exams P, FM, IFM, LTAM, STAM, SRM, MAS-I and MAS-II
 - ✓ Free access with the purchase of any of our study manuals or with a classroom-adopted ACTEX textbook
- **Predictive Analytics – All tailored to the actuarial profession**
 - ✓ Textbooks
 - ✓ Study manuals
 - ✓ Webinars, live and on-demand
- **R & Python – All tailored to the actuarial profession**
 - ✓ Textbooks
 - ✓ Webinars, live and on-demand
- **VEE Courses**
 - ✓ New course options for the VEE Accounting & Finance requirement, offering these topics together or separately
 - ✓ Available on-demand with a Pass Guarantee
- **Continuing Education/CPD**
 - ✓ Over 60 live and on-demand webinars
 - ✓ Topics include InsurTech, predictive analytics, professionalism & ethics, Excel, leadership and communications, Python, R and SQL
- **Customized Classroom & Corporate Solutions**
 - ✓ Textbooks & study manuals
 - ✓ Corporate live training options
- **Free Access**
 - ✓ Free 24-hour access to any of our ACTEX or ASM study manuals, including **StudyPlus+** bonus content
 - ✓ Free 60-day, professors-only access our Actuarial Resource Center, including access to desk copy versions of our study manuals & textbooks
- **Study Help**
 - ✓ An updated, 2nd edition of *Actuarial Exam Tactics: Learn More, Study Less*, co-authored by the world's youngest FSA Features new sections on adherence (how to stick to your study schedule) and what to do if you fail an exam
 - ✓ On-demand *Actuarial Exam Tactics* webinar
- **New Online Courses**
 - ✓ EA-2F Online - a new online exam prep course for EA-2F taught by Shelly Raad, FSA, EA, MAAA

Finally, if you have ideas for new products or would like to work with ACTEX, please reach out to me with your thoughts. We regularly have projects, large and small, that I'd be pleased to discuss with you.

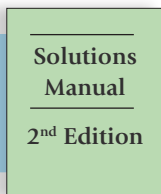
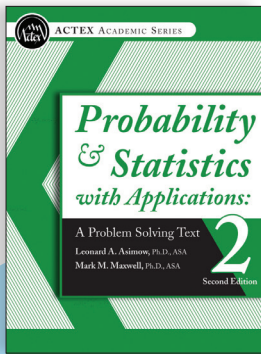
Regards,

William S. Marella
CEO
bill@ActexMadRiver.com

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Official SOA Exam P Syllabus References



Probability and Statistics with Applications: A Problem Solving Text* 2nd Edition

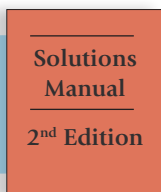
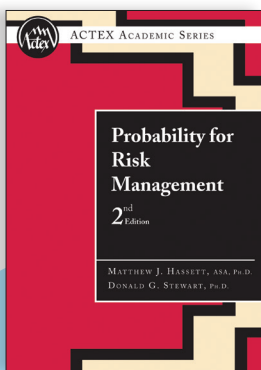
Leonard A. Asimow, Ph.D., ASA | Mark M. Maxwell, Ph.D., ASA

600 pages, 7" x 10" | Softcover \$127.00 | eBook \$117.00
ISBN: 978-1-62542-472-3 | Solutions Manual: 978-1-62542-473-0

Probability and Statistics with Applications is an introductory textbook designed to make the subject accessible to college freshmen and sophomores concurrent with Calc II and III, with a prerequisite of just one semester of calculus. It is organized specifically to meet the needs of students who are preparing for the Society of Actuaries qualifying Examination P and Casualty Actuarial Society's Exam MAS-I, but is also appropriate for a general student population.

Sample actuarial exam problems are integrated throughout the text along with an abundance of illustrative examples and 870 exercises.

A solutions manual to accompany *Probability and Statistics with Applications: A Problem Solving Text, 2nd Edition* is available. Solutions are provided for all of the problems in the text.



Probability for Risk Management, 2nd Edition*

Matthew J. Hassett, Ph.D. | Donald G. Stewart, Ph.D.

434 pages, 6" x 9" | Softcover \$106.00 | eBook \$96.00
ISBN: 978-1-56698-548-2 | Solutions Manual: 978-1-56698-583-3

This unique text differs from most intermediate probability texts in that it focuses the theory directly on applications in the general field of financial risk management, including insurance, economics and finance. It is appropriate for a first course in probability for students having already had two semesters of calculus.

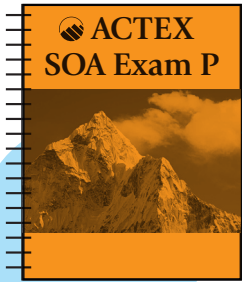
This text was designed for several audiences, including students of actuarial science, mathematical economics, finance and risk management. It assumes prior knowledge of calculus in the presentation. Past actuarial exam questions are included at the end of each chapter.

A solutions manual to accompany the *Probability for Risk Management, 2nd Edition* is available. Solutions are provided for most of the text exercises.

From our students:

"Dr. Hassett's book came in very handy — it is so well tailored to the Exam P syllabus that I did not have to look anywhere else for theory and introductory problems. I passed Exam P with a grade of 8."

ACTEX SOA Exam P Study Manual: Includes *StudyPlus+* Bonus Content & GOAL FREE



Spring 2019 Edition by Samuel Broverman, Ph.D., ASA

Spiral-Bound \$114.00 | Digital & Bundle Available
570 pages, 9" x 11" | ISBN: 978-1-63588-714-3

Included with this manual:



StudyPlus+ Bonus Material:
GOAL, flashcards, formula sheet,
Excel and R training webinars,
career guides & more.

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Includes manual, practice exam
& bonus content for 24 hours.

- Covers all of the SOA learning objectives for this exam.
- It is the time-tested market leader in Exam P study guides for self-study students, as well as for students enrolled in college and university courses.
- Contains 10 modules with examples and problem sets from prior actuarial exams at the end of each module, all with detailed solutions.
- Over 500 problems included in this manual and comprehensive review notes and illustrative examples for each topic.
- Contains 12 original practice exams with detailed solutions.

GOAL Practice Questions, Quizzes and Exams for Exam P: 1,100+ exam-style questions

Free 1-day trial available. Included with purchase of ACTEX and ASM Exam P study manuals.

Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. Use this digital study tool to test your knowledge and gain greater understanding of your strengths and weaknesses. See page 6 for details.

Additional Study Materials for SOA Exam P

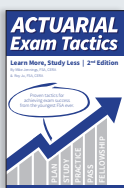
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Discounts are available

Provides students all of the necessary instruction, materials and support needed to pass Exam P. Students have access to a variety of practice problems, video solutions, timed practice tests, lecture videos, and much more. In addition, students will have one-on-one support from our skilled instructors for 180-days from the date of purchase. Visit our website for more details.



Actuarial Exam Tactics: Learn More, Study Less, 2nd Edition

Mike Jennings, FSA, CERA | Roy Ju, FSA, CERA | Softcover \$19.95 | eBook \$9.95 | ISBN: 978-1-63588-890-4

Learn how to pass your exams while studying less with strategies from the world's youngest actuary. This book presents the study strategies that helped Roy Ju become the world's youngest actuary, finishing the SOA's exams, and becoming an FSA, at the age of 20.

ACTEX Calculus Review, Fall 2019 Edition by Samuel Broverman, Ph.D., ASA

Focused on what you need to know for your exams. Features numerous examples and problem sets related to each topic with detailed solutions and 12 comprehensive tests to help you self-assess your current level of preparedness.

ACTEX Exam P Online Practice Test Series with Video Solutions (3 Tests)

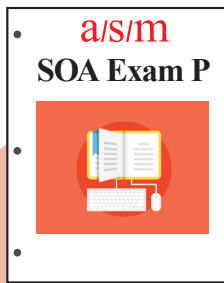
This cost-effective study tool consists of three 30-question practice tests. Each test question has a video solution created by your instructor: Rich Owens, FSA.

ACTEX/ASM Flashcards

This set of printed & virtual eflashcards are a valuable study tool for memorizing and learning key topics and formulas.

5 EXAM P

ASM SOA Exam P Study Manual: Includes *StudyPlus+* Bonus Content & GOAL FREE



3rd Edition, 2nd Printing by Abe Weishaus, Ph.D., FSA, CFA, MAAA

3-hole punch \$114.00 | Digital & Bundle Available
500 pages, 9" x 11" | ISBN: 978-1-63588-761-7



- Comprehensive coverage of the syllabus with 30 lessons.
- Contains over 80 examples and 597 exercises.
- 151 original exercises not found anywhere else, others are taken from old exams or are SOA sample questions.
- Contains 6 practice exams consisting of 30 original questions.

StudyPlus+ Bonus Material:
GOAL, flashcards, formula sheet,
Excel and R training webinars,
career guides & more.

Included with purchase

Try before you buy

24-Hour free trial!
Includes manual, practice exam
& bonus content for 24 hours.

GOAL Practice Questions, Quizzes and Exams for Exam P: 1,100+ exam-style questions

Free 1-day trial available. Included with purchase of ACTEX and ASM Exam P study manuals.

Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. Use this digital study tool to test your knowledge and gain greater understanding of your strengths and weaknesses. See page 6 for details.

Additional Study Materials for SOA Exam P

ACTEX/ASM Flashcards

Printed & virtual: 12 month license

The flashcards are a valuable study tool for memorizing and learning key topics and formulas. The printed flashcards are compact and thus easy to carry between work and home. This edition of the printed flashcards is packaged in an index card format, allowing the student to rearrange the cards to permit better focus on more difficult topics. The virtual eflashcards may be shuffled or can be selected to show only one or more topics at a time.



Try Before You Buy

With study manual trials of both ACTEX and ASM brands, you can review a digital manual for 24 hours before making your purchase decision. The trial includes access to the study manual, and its *StudyPlus+* bonus content. Check out practice problems, detailed solutions and test your skills with GOAL, our guided online actuarial learning test prep tool.

Bundle and Save

Many of our products are available as bundles allowing you to save money. Look for our many combinations of study manuals, textbooks, solutions manuals and online courses at www.ActexMadRiver.com.





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Adaptable, customizable, online actuarial exam prep tool.

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- 6,500+ exam style problems with detailed solutions
- Adaptive quizzes
- 3 learning modes
- 3 difficulty modes

GOAL is an e-learning test prep tool for students to practice skills learned in class or from independent study. The online platform offers a database of SOA & CAS exam-style problems with detailed solutions. GOAL offers instructor support as well as performance reporting and tracking so you can monitor your progress.

Start your free trial at www.actexamdriver.com/GOAL

Available for P, FM, IFM, LTAM, STAM, SRM, MAS-I & MAS-II

Flag for review, record notes & email the professor

Monitor difficulty level

Got it wrong? Often there is a simple reason why

Helpful strategies to get you started

Graphs and other solution techniques demonstrated when applicable

Commonly encountered errors

actuarial e-learning portal Home Seminar Administrator Seminar Users Support Log Off

GOAL Problem # Go! Problem 1 of 6

Question Difficulty: Mastery

A loan is being repaid with 2 payments: A first payment of \$1,500 at the end 2 years and a second payment of \$1,600 at the end of 7 years.

Determine the loan amount given an annual effective rate of discount of 2%.

A 2,834.65

B $1,500(0.98)^{-2} + 1,600(0.98)^{-7}$ that gives AV's instead of PV's using a 2% discount rate.

C 2,829.60

D 2,759.65

Help Me Start

Sketch a time diagram showing the two payments.

Solution

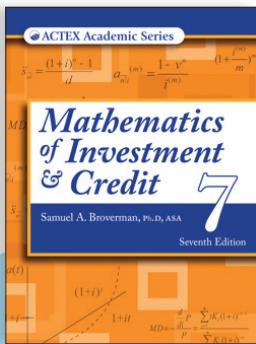
The loan is the PV of the two payments using the annual effective discount rate of 2%:

$$L = 1,500(1 - .02)^2 + 1,600(1 - .02)^7 = 1,500(0.98)^2 + 1,600(0.98)^7 = 2,829.60.$$

Common Questions & Errors

Common Error 1: Finding the amount $2000v^{15-4+1}$ which is the principal repaid in the 4th payment. Subtract the answer from the annual payment amount to get the interest paid.

Official SOA Exam FM Syllabus Reference



**Solutions
Manual**
7th Edition

Mathematics of Investment and Credit, 7th Edition*

Samuel Broverman, Ph.D., ASA

608 pages, 6" x 9" | Softcover \$123.00 | eBook \$113.00
ISBN: 978-1-63588-221-6 | Solutions Manual: 978-1-63588-223-0

Mathematics of Investment and Credit is a leading textbook covering the topic of interest theory. It is the required or recommended text in many college and university courses on this topic, as well as for the Society of Actuaries Exam FM.

This text includes detailed treatments of the term structure of interest rates, forward contracts of various types, interest rate swaps, financial options, and option strategies. The text contains a large number of worked examples and end-of-chapter exercises.

The seventh edition includes updates driven by changes for the learning objectives for Exam FM, updated examples and exercises and exposition improvements. There have been significant updates to the topics of duration and interest rate swaps.

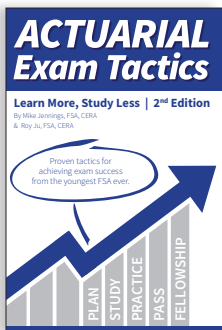
A solutions manual to accompany *Mathematics of Investment and Credit, 7th Edition* is available. Solutions are provided for all of the problems in the text.

From our students:

"Thank you for writing a quality textbook that covered the material for Exam FM. I was able to study independently for and pass the second exam without any foreknowledge of financial mathematics due to the quality of your textbook. Many thanks for the time and effort you put into writing it."

*Are you a professor? Request a printed or digital desk copy online.

Exam and Career Skills Resource



Actuarial Exam Tactics: Learn More, Study Less, 2nd Edition

Mike Jennings, FSA, CERA | Roy Ju, FSA, CERA

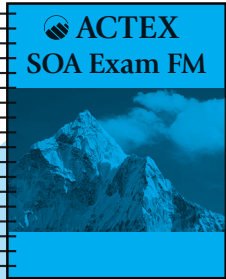
100 pages, 6" x 9" | Softcover \$19.95 | eBook \$9.95 | ISBN: 978-1-63588-890-4

Learn how to pass your exams while studying less with strategies from the world's youngest actuary. This book presents the study strategies that helped Roy Ju become the world's youngest actuary, finishing the SOA's exams, and becoming an FSA, at the age of 20. As co-author Mike Jennings tested these techniques, he accelerated his own exam process, passing 2 preliminary exams, a fellowship exam, the FAP modules and the FSA modules in 15 months.

With endorsements from professors and actuaries who have been through the exam process, this book transforms the study habits of actuarial students to help them pass their exams while maintaining a healthy work-life balance.

"It was my great privilege to teach at Drake University when both Roy and Mike were students. What is most impressive about their exam success is that they did not achieve it at the expense of getting the most out of their college experiences. One of the reasons many people cite for not completing actuarial exams is the work-life balance. Anyone in this situation, at a plateau or contemplating stopping the actuarial exam, should read this book and consider making adjustments to their study process. For those at the beginning of the exam journey, this is a must read!" - Susan Watson, MS, FSA, Assistant Professor of Actuarial Science at Drake University

ACTEX SOA Exam FM Study Manual: Includes *StudyPlus+* Bonus Content & GOAL FREE



Fall 2019 Edition by John Dinius, FSA | Matthew J. Hassett, Ph.D. | Michael I. Ratliff, Ph.D., ASA | Toni Coombs Garcia | Amy C. Steeby, MBA, MBd

Spiral-Bound \$159.00 | Digital & Bundle Available
765 pages, 9" x 11" | ISBN: 978-1-63588-811-9

Included with this manual:



StudyPlus+ Bonus Material:
GOAL, flashcards, formula sheet,
Excel and R training webinars,
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Included with purchase

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Includes manual, practice exam
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- Covers all of the Exam FM material in a logical and thoroughly understandable way.
- Written in an easy-to-understand style, providing thorough explanations so students can quickly understand new topics.
- Presented in 3 sections, each consisting of 3 modules, with a “midterm” exam at the end of each section.
- Provides practice problems at the end of each module, along with a summary of the key formulas.
- Contains eleven practice exams with detailed solutions. These exams are presented in order of increasing difficulty.
- Step-by-step calculator instructions.

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Additional Study Materials for SOA Exam FM

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On-demand | 10-Week Courses



Discounts are available

Provides students all of the necessary instruction, materials and support needed to pass Exam FM. Students have access to a variety of practice problems, video solutions, timed practice tests, lecture videos, and much more. In addition, students will have one-on-one support from our skilled instructors for 180-days from the date of purchase. Visit our website for more details.

Actuarial Exam Tactics: Learn More, Study Less, 2nd Edition

Mike Jennings, FSA, CERA | Roy Ju, FSA, CERA | Softcover \$19.95 | eBook \$9.95 | ISBN: 978-1-63588-890-4

Learn how to pass your exams while studying less with strategies from the world’s youngest actuary. This book presents the study strategies that helped Roy Ju become the world’s youngest actuary, finishing the SOA’s exams, and becoming an FSA, at the age of 20.

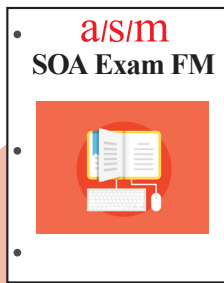
ACTEX/ASM Flashcards

Printed & virtual: 12 month license

The flashcards are a valuable study tool for memorizing and learning key topics and formulas. The printed flashcards are compact and thus easy to carry between work and home. This edition of the printed flashcards is packaged in an index card format, allowing the student to rearrange the cards to permit better focus on more difficult topics. The virtual eflashcards may be shuffled or can be selected to show only one or more topics at a time.

9 EXAM FM

ASM SOA Exam FM Study Manual: Includes *StudyPlus+* Bonus Content & GOAL FREE



13th Edition by Wafaa Shaban, ASA, Ph.D. | Harold Cherry, FSA, MAAA

3-hole punch \$162.00 | Digital & Bundle Available
600 pages, 9" x 11" | ISBN: 978-1-63588-451-7

Included with this manual:



- Highlights tricks and shortcuts for various types of problems, warns of common traps that students fall into, and how to avoid them.
- “Stepping Stones” designed to tell you whether you have understood what you have just read, and to serve as a bridge to more difficult exam-level problems.
- Over 1,000 problems with detailed solutions, about half of them from prior SOA/CAS exams.
- Summary of the key concepts and formulas after each topic.
- Six original full-length (35 questions) practice exams, with complete solutions are included.
- Tips on using the Texas Instruments BA II Plus.

StudyPlus+ Bonus Material:
GOAL, flashcards, formula sheet,
Excel and R training webinars,
career guides & more.

Included with purchase

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Includes manual, practice exam
& bonus content for 24 hours.

From our students:

“Very good resource. You are well prepared for the exam after you’ve thoroughly gone through this 600-page study manual.”

GOAL Practice Questions, Quizzes and Exams for Exam FM: 1,500+ exam-style questions

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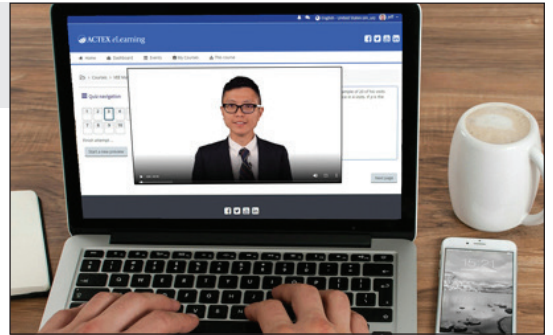
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Pass Guarantee | On-demand 180-day access | Flexible final exam dates

ACTEX offers convenient online courses approved for SOA VEE & CAS VEE credits. All courses are available on-demand. Students complete the courses at their own pace and take the final exams on the date of their choosing. A remote proctor service option is available for CBT final exams.



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- Designed specifically for actuaries
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- Flexible final exam dates: our on-demand courses with CBT final exams allow students to choose their exam date and time with no restrictions.
- CBT or Paper & Pencil Exams: students can arrange a CBT final exam or be mailed a paper and pencil exam.
- Proctoring service: our VEE courses have a graded final exam requiring a proctor. Students have the option to use a convenient remote proctoring service, ProctorU, for their exam.
- No extra fees for course materials

Learn more at www.ACTEXMadRiver.com/VEE

From our students:

"Dr. Perry, I recently finished your applied statistics VEE through ACTEX. I just wanted to reach out and say thank you! Having the flexibility of taking the class at my own pace with my work schedule was huge for me. The structure of the class had a great flow to it and your instructor notes were extremely helpful for learning the material with a nice touch of personality that a textbook lacks. As I'm pushing to fulfill all of my ASA requirements before the curriculum change, I'll be taking both the economics and corporate finance VEEs...Thanks for putting together such a great class!"

"I enjoyed the course with Dr. Li and Dr. Ng. I think that they both did a great job of helping students understand the concepts. Both Dr. Li and Dr. Ng were prompt in answering questions from students in the online course forums. Thanks to Dr. Li and Dr. Ng, I feel that I can speak, think, and communicate concepts clearly."

Mathematical Statistics

Johnny Li, Ph.D., FSA | Andrew Ng, Ph.D., FSA

\$579.00 | 180-day subscription | Required Materials Included | CBT or Written Exam Options

The course consists of comprehensive lecture notes and video lectures with materials organized into 4 modules: sampling distributions, point estimation, interval estimation, and hypothesis testing. The readings, authored by the instructors, are tailored to the needs of actuarial students and practicing actuaries. Unlike mathematical statistics textbooks, which emphasize proofs and derivations, these course readings focus on the applications that are most useful for your future actuarial work and study. All required readings are included in course fee. The depth, pace and structure of this course is comparable to a senior undergraduate course in Mathematical Statistics.



11 VEE (see website for details)

Accounting & Finance

Johnny Li, Ph.D., FSA | Andrew Ng, Ph.D., FSA

\$579.00 | 180-day subscription | Required Materials Included | CBT or Written Exam Options

The course materials are meticulously organized into four modules, helping you achieve the learning objectives prescribed by the SOA with ease. Activities include video lectures, reading, and completing assignments and/or practice problems. The readings, authored by the instructors themselves, are tailor-made for actuarial students and practicing actuaries. The depth, pace and structure of the course material is comparable to a two-semester senior undergraduate course in Accounting and Finance.



Accounting

Johnny Li, Ph.D., FSA | Andrew Ng, Ph.D., FSA

\$549.00 | 180-day subscription | Required Materials Included | CBT or Written Exam Options

The course materials are meticulously organized into four modules: introduction to accounting, income statement & corporate taxation, balance sheets & statements of cash flows, and financial statement analysis. The pace and structure of this course is comparable to a one-semester senior undergraduate course in accounting.



Finance

Johnny Li, Ph.D., FSA | Andrew Ng, Ph.D., FSA

\$549.00 | 180-day subscription | Required Materials Included | CBT or Written Exam Options

Materials for this course are meticulously organized into two modules: capital budgeting and investment decisions and cost of capital. The pace and structure of this course is comparable to a one-semester senior undergraduate course in Finance.



Bundle: Microeconomics and Macroeconomics

\$849.00 | 180-day subscription | Required Materials Included | CBT or Written Exam Options

Save \$49.00. All-inclusive Course Bundle: Course fee includes all materials from Microeconomics & Macroeconomics classes listed below



Microeconomics

John Perry, Ph.D.

\$449.00 | 180-day subscription | Required Materials Included | CBT or Written Exam Options

Comparable to one undergraduate semester in microeconomics, this course provides a foundation in microeconomic terminology, models, and analysis. The core ideas of supply and demand are developed and applied. In particular, how rational consumers interact in markets to maximize utility with firms seeking to maximize profits under different market structure, is explored. The topics of elasticity, long run and short run choices, the impact and role of taxes and government intervention, and externalities on markets are discussed. Successful students will learn microeconomic concepts and how they are applicable in actuarial work. This course consists of assigned readings, instructors notes, video lectures, suggested practice problems with full solutions, graded homework assignments, office hours and a discussion forum.



Macroeconomics

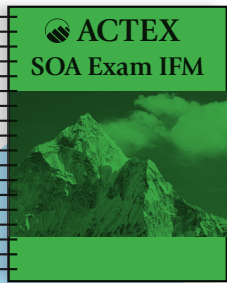
John Perry, Ph.D.

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This course provides a foundation in macroeconomics terminology, models and analysis and consists of assigned readings, instructor notes, video lectures, suggested practice problems with full solutions, graded homework assignments, office hours, and a discussion forum. The depth of the course is comparable to a one-semester, undergraduate course in macroeconomics. Successful students will learn macroeconomic concepts and how they are applicable in actuarial work.



ACTEX SOA Exam IFM Study Manual: Includes StudyPlus+ Bonus Content & GOAL FREE



Fall 2019 Edition, 2nd Printing by Johnny Li, Ph.D., FSA

Spiral-Bound \$165.00 | Digital & Bundle Available
1382 pages, 9" x 11" | ISBN: 978-1-63588-905-5

Included with this manual:



- Concepts are introduced in a streamlined fashion and sample questions are incorporated that have proven to accurately represent how students experience the SOA exams.
- Written in a similar format to the released exam and sample questions to increase familiarity with the exam style.
- The manual is divided into two broad themes: quantitative and qualitative.
- Provides practice problems and solutions at the end of each lesson to build understanding.
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Additional Study Materials for SOA Exam IFM

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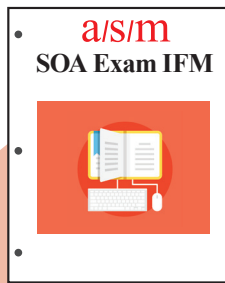
The flashcards are a valuable study tool for memorizing and learning key topics and formulas. The printed flashcards are compact and thus easy to carry between work and home. This edition of the printed flashcards is packaged in an index card format, allowing the student to rearrange the cards to permit better focus on more difficult topics. The virtual eflashcards may be shuffled or can be selected to show only one or more topics at a time.



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3-hole punch \$169.00 | Digital & Bundle Available
747 pages, 9" x 11" | ISBN: 978-1-63588-780-8

Included with this manual:



- Comprehensive coverage of the syllabus for Exam IFM.
- While this manual will be adequate for Exam IFM, the syllabus textbooks are referenced in each lesson if you wish to use them.
- Each lesson ends with exercises and solutions.
- Concludes with eleven practice exams with detailed solutions.

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From our students:

This is my first ASM manual. My friends have used it and I'm kind of an idiot for not getting it sooner. The author, Weishaus, is very good; tons of practice questions.

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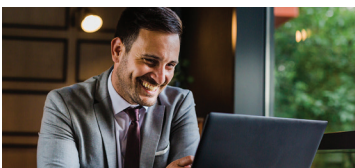
Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. Use this digital study tool to test your knowledge and gain greater understanding of your strengths and weaknesses. See page 6 for details.

Additional Study Materials for SOA Exam IFM

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Printed & virtual: 12 month license

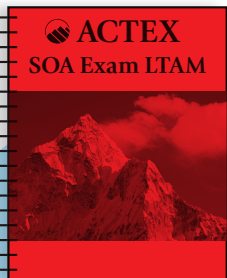
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Available to our customers who order in bulk for company employees. For additional information, please call 800.282.2839 or send an email to: Support@ActexMadRiver.com.

ACTEX SOA Exam LTAM Study Manual: Includes *StudyPlus+* Bonus Content & GOAL FREE



Spring 2020 Edition by Johnny Li, Ph.D., FSA | Andrew Ng, Ph.D., FSA

Spiral-Bound \$255.00 | Digital & Bundle Available
1800 pages, 9" x 11" | ISBN: 978-1-63588-927-7

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- This manual covers all topics in the SOA Exam LTAM syllabus.
- Focuses on providing the understanding required to solve practical problems in an exam setting.
- Theoretical concepts are introduced through motivating examples to make learning as direct as possible.
- Chapters concludes with practice problems and solutions.
- The manual concludes with 8 complete sample exams and solutions offering additional practice.

GOAL Practice Questions, Quizzes and Exams for Exam LTAM: 1,650+ exam-style questions

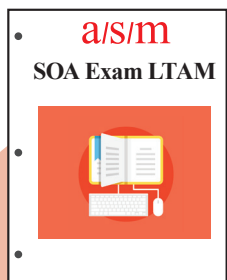
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1st Edition, 5th Printing by Abe Weishaus, Ph.D., FSA, CFA, MAAA

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- Over 1800 end-of-lesson exercises, including 773 original and 1038 old exam questions, plus over 350 examples and 90 in-lesson exercises.
- 13 practice exams, all having 20 multiple choice and 6-7 written answer questions, just like the SOA exam.

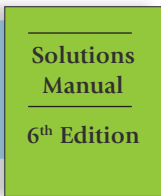
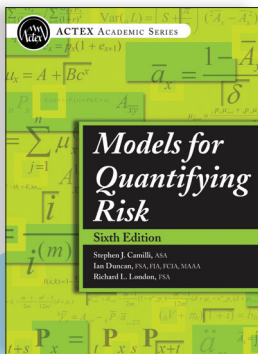
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Additional Study Materials for SOA Exam LTAM

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Addresses All Learning Objectives for Exam EA-1

Models for Quantifying Risk, 6th Edition*

Stephen J. Camilli, FSA | Ian Duncan, FSA, FIA, FCIA, FCA, CSPA, MAAA | Richard L. London, FSA

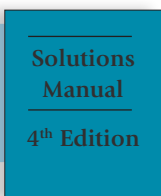
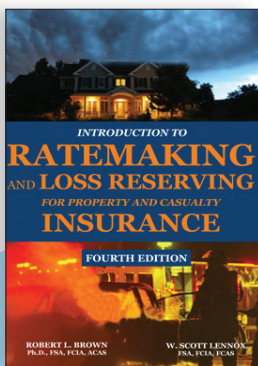
524 pages, 7" x 10" | Softcover \$99.00 | eBook \$89.00
 ISBN: 978-1-62542-347-4 | Solutions Manual: 978-1-62542-348-1

The sixth edition of this textbook presents a variety of stochastic models for actuaries to use in undertaking the analysis of risk. It is designed to be appropriate for use in a two or three semester university course in basic actuarial science. Originally written with the SOA Exam MLC and CAS Exam LC in mind, this textbook covers approximately 80% of the material for SOA Exam LTAM. The SOA study notes (free on the SOA website) cover the other 20%. Models are evaluated in a generic form with life contingencies included as one of many applications of the science. Students will find this book to be a valuable reference due to its easy-to-understand explanations and end-of-chapter exercises.

A solutions manual to accompany *Models of Quantifying Risk, 6th Edition* is available. Solutions are provided for all of the problems in the text.

EXAM STAM

Required Reading for SOA Exam STAM



Introduction to Ratemaking and Loss Reserving for Property and Casualty Insurance, 4th Edition*

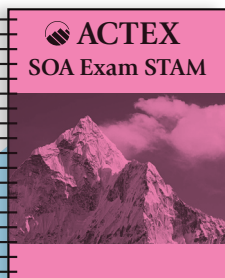
Robert L. Brown, Ph.D., FSA, FCIA, ACAS | W. Scott Lennox, FSA, FCIA, FCAS

220 pages, 6" x 9" | Softcover \$91.00 | eBook \$81.00
 ISBN: 978-1-62542-474-7 | Solutions Manual: 978-1-62542-475-4

This text provides a basic foundation of knowledge concerning two fundamental building blocks of property/casualty actuarial work: ratemaking and loss reserving. Although the material is of property/casualty origins, the methods presented have potential application in other insurance areas including health insurance and risk management. The text contains a number of worked examples and end-of-chapter exercises.

A solutions manual to accompany *Introduction to Ratemaking and Loss Reserving for Property and Casualty Insurance, 4th Edition* is available. Solutions are provided for all of the problems in the text.

*Are you a professor? Request a printed or digital desk copy online.



Spring 2020 Edition by Samuel Broverman, Ph.D., ASA

Spiral-Bound \$255.00 | Digital & Bundle Available
1125 pages, 9" x 11" | ISBN: 978-1-63588-772-3

Included with this manual:



- This manual covers all topics in the SOA Exam STAM syllabus.
- Contains summary of notes, illustrative examples and problem sets with detailed solutions.
- There are almost 200 examples in the notes and over 900 exercises in the problem sets, all with detailed solutions.
- Concludes with 5 practice exams with 35 original questions each. The level of difficulty of the practice exams has been designed to be similar to that of past 3.5-hour exams.

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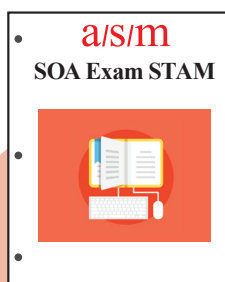
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Additional Study Materials for SOA Exam STAM

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2nd Edition by Abe Weishaus, Ph.D., FSA, CFA, MAAA

3-hole punch \$255.00 | Digital & Bundle Available
1500 pages, 9" x 11" | ISBN: 978-1-63588-851-5

Included with this manual:



- Comprehensive coverage of the syllabus for Exam STAM.
- Each section includes end-of-lesson exercises, many of which are original.
- 12 practice exams, all having 35 multiple-choice questions all with complete solutions.

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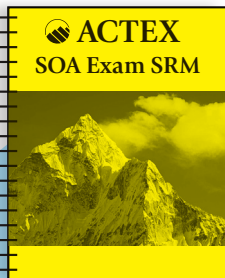
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Additional Study Materials for SOA Exam STAM

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Fall 2019 Edition by Runhuan Feng, Ph.D., FSA, CERA | Daniël Linders, Ph.D. | Ambrose Lo, Ph.D., FSA, CERA

Spiral-Bound \$255.00 | Digital & Bundle Available
600 pages, 9" x 11" | ISBN: 978-1-63588-723-5

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- This manual aims to help you grasp the material in Exam SRM effectively and efficiently.
- Includes more than 400 practice problems and their solutions, both original and from relevant past exams.
- Formulas and results of utmost importance are boxed for easy identification and memorization.
- The manual concludes with 3 practice exams designed to mimic the SOA exam. Detailed solutions are provided.

GOAL Practice Questions, Quizzes and Exams for Exam SRM: 850+ exam-style questions

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ACTEX On-demand Webinars

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Data Visualization in R for Actuaries

- This webinar covers ggplot2, one of the most popular R libraries, which can generate compelling images.

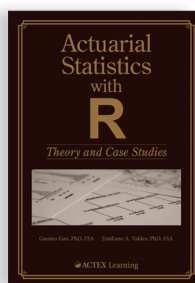
Data Visualization Design Concepts in R

- This webinar covers some of the fundamental principles that inform human visual perception and includes guidelines to lead you through the steps for creating visualizations.

Machine Learning in R for Actuaries

- This webinar covers a few of these tools and an overview of the most popular machine learning techniques. Learn how to adjust your data for modeling, select from several different models and present results in a way that stakeholders will understand.

A great resource for learning and teaching the material on Exam SRM



Actuarial Statistics with R: Theory and Case Studies, 1st Edition*

Guojan Gan, Ph.D., FSA | Emiliano A. Valdez, Ph.D., FSA

396 pages, 6" x 9" | Hardcover \$99.00 | eBook \$87.00
ISBN: 978-1-63588-548-4 | Solutions Manual: 978-1-56698-551-4

This book covers several topics on data analysis and statistical learning prescribed by the International Actuarial Association (IAA). In particular, it has been designed to cover the learning objectives for the SOA's Statistics for Risk Modeling (SRM) Exam. It is broadly intended for students and practitioners to learn R programming and its applications in actuarial science, finance, and quantitative risk management.

A solutions manual is available that includes complete solutions to the practice problems in the text.

*Are you a professor? Request a printed or digital desk copy online.

18 EXAM SRM

ASM SOA Exam SRM Study Manual: Includes *StudyPlus+* Bonus Content & GOAL FREE

a/s/m SOA Exam SRM



2nd Edition by Abe Weishaus, Ph.D., FSA, CFA, MAAA

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- Covers the full syllabus of the Exam SRM.
- 28 sample questions with detailed solutions.
- The distribution of the sample questions is approximately the same as the syllabus weights.
- Concludes with 6 original practice exams with detailed solutions.

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Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. See page 6 for details.

Included with this manual:



StudyPlus+ Bonus Material:
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The flashcards are a valuable study tool for memorizing and learning key topics and formulas. The printed flashcards are compact and thus easy to carry between work and home. This edition of the printed flashcards is packaged in an index card format, allowing the student to rearrange the cards to permit better focus on more difficult topics. The virtual eflashcards may be shuffled or can be selected to show only one or more topics at a time.

FAP

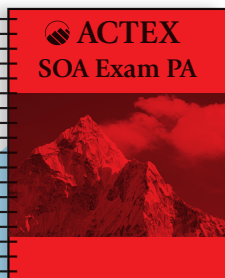
Fundamentals of Actuarial Practice

The SOA is making changes to the FAP e-Learning course beginning in January 2020.

The new FAP course will introduce interactive scenarios, reinforce key skills, and provide more frequent, shorter assessments. We are evaluating the best options for transitioning students and we are here to support you through your journey.

For details on the FAP transition deadlines and credit, please refer to the FAQs at <https://www.soa.org/education/general-info/edu-fap-trans-deadline-credit/>.

Check <https://www.actexamdriver.com/fap-modules/> or follow us on social media for updates.



Fall 2019 Edition by Ambrose Lo, Ph.D., FSA, CERA

Spiral-Bound \$329.00 | Digital & Bundle Available
9" x 11" | ISBN: 978-1-63588-881-2

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for 24 hours.

- This manual takes an integrated approach to learning predictive analytics with a three-component structure.
- Component one is a crash course in R covering the elements of R programming that are particularly germane to this exam.
- Component two delves into best practices, techniques and skills expected of you on the exam.
- Component three includes Lo's commentary on the sample PA projects released by the SOA.

Additional Study Materials for SOA Exam PA

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Brian A. Fannin, ACAS

Data Visualization in R for Actuaries

Looking to enhance visualizations of your data? This webinar covers ggplot2, one of the most popular R libraries, which can generate compelling images. Learn to visualize time series, size of loss distributions and data by rating class. Refine plotting techniques for large data sets and adopt strategies for grouped and categorical data. Add statistical models to your visualizations and use themes to create a distinct and consistent look and feel.

Data Visualization Design Concepts in R

Expression of data through visual means facilitates an understanding of complex mathematical models for decision makers who may not be accustomed to them. This webinar covers some of the fundamental principles that inform human visual perception and includes guidelines to lead you through the steps for creating visualizations. Learn how to create exhibits which represent data accurately and avoid common mistakes that clutter or obscure your message.

Machine Learning in R for Actuaries

The rise of so many diverse machine learning algorithms means new tools have emerged to place them in a consistent framework. This webinar covers a few of these tools and an overview of the most popular machine learning techniques. Learn how to adjust your data for modeling, select from several different models and present results in a way that stakeholders will understand.

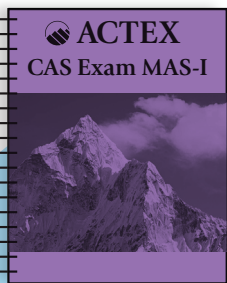
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Mary Pat Campbell, FSA, MAAA, PRM

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- Best Practices for Auditing Actuarial Spreadsheets
- Excel VBA for Beginners Part 1: An Overview of VBA
- Excel VBA for Beginners Part 2: Getting Started with Automation in Excel VBA
- Getting the Most Out Of Excel Part 1: Moving Data Around
- Getting the Most Out Of Excel Part 2: Preventing & Fixing Errors
- Getting the Most Out Of Excel Part 3: Add it Up with Data Aggregation

ACTEX CAS Exam MAS-I Study Manual: Includes StudyPlus+ Bonus Content & GOAL FREE



Spring 2020 Edition by Ambrose Lo, Ph.D., CERA

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1433 pages, 9" x 11" | ISBN: 978-1-63588-966-6

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- Contains illustrative examples, which are original or taken from relevant past exams and/or required textbooks.
- Important exam items and common mistakes committed by students are highlighted.
- Concludes with 3 practice exams with detailed solutions.

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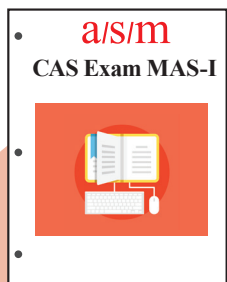
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Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. See page 6 for details.

ASM CAS Exam MAS-I Study Manual: Includes StudyPlus+ Bonus Content & GOAL FREE



1st Edition, 5th Printing by Abe Weishaus, Ph.D., FSA, CFA, MAAA

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1221 pages, 9" x 11" | ISBN: 978-1-63588-935-2

- The manual provides complete coverage of the exam syllabus, covering the topics in 64 lessons.
- Includes about 1100 exercises provided in sections after each lesson, with 600 of them being original. Solutions to the exercises are included.
- Concludes with 6 practice exams with complete solutions.

Included with this manual:



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GOAL Practice Questions, Quizzes and Exams for Exam MAS-I: 1000+ exam-style questions

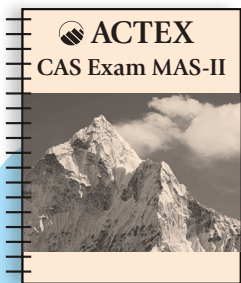
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Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. See page 6 for details.

Additional Study Materials for CAS Exam MAS-I

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Spring 2020 Edition by Jeffrey S. Pai, Ph.D., ASA, ACIA

Spiral-Bound \$255.00 | Digital & Bundle Available
429 pages, 9" x 11" | ISBN: 978-1-63588-983-3

Included with this manual:



- Covers the material in the CAS MAS-II Exam.
- Includes textbook references (title and page number information) and example problems throughout.
- Each section ends with summaries as well as problem sets with solutions.
- Contains over 110 examples and 230 problem set questions with complete solutions.
- Includes a 42-question practice set intended to reflect the exam.

StudyPlus+ Bonus Material:
GOAL, flashcards, Excel and R training webinars, career guides & more.

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Includes manual, practice exam & bonus content for 24 hours.

GOAL Practice Questions, Quizzes and Exams for Exam MAS-II: 565+ exam-style questions

Free 1-day trial available. Included with purchase of the ACTEX Exam MAS-II study manual.

Practice. Quiz. Test. Customize your study experience by choosing between practice, quiz and simulated exam learning modes and adjust difficulty levels between core, advanced and mastery. Use this digital study tool to test your knowledge and gain greater understanding of your strengths and weaknesses. See page 6 for details.

Additional Study Materials for CAS Exam MAS-II

ACTEX Flashcards

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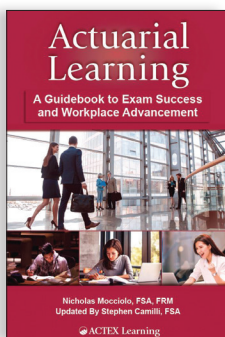
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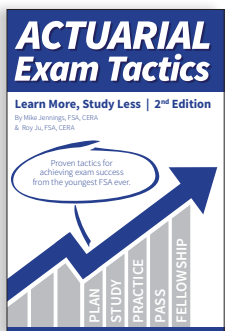


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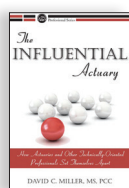
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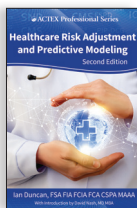


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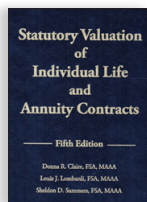
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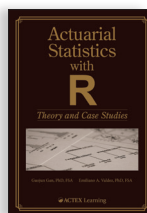


Statutory Valuation of Individual Life and Annuity Contracts, 5th Edition, Volume I & Volume II
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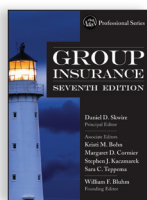
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Guojan Gan, Ph.D., FSA | Emiliano A. Valdez, Ph.D., FSA

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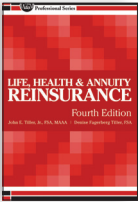


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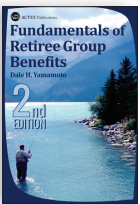


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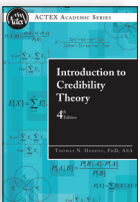


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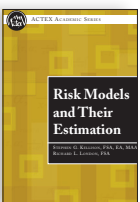
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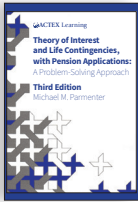
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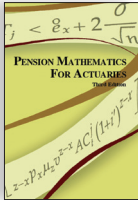
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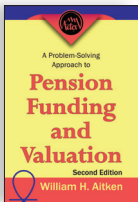
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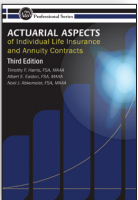
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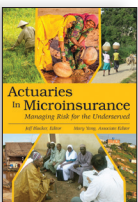
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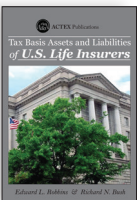
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