

Fall 2020 Catalog | May - November 2020



For Professors:



New for Fall:
Academic GOAL

Provides professors with a free actuarial science database of over 10,000+ questions from which to build assignments like homework, quizzes and tests.
(See page 4 for details.)

For Students:

- ✓ Free 24-hr study trials
- ✓ GOAL: Customized learning
- ✓ VEE On-demand
- ✓ Discounts

For Professionals:

- ✓ ACTEX live & on-demand webinars
- ✓ Training series
- ✓ Discounts



Dear Actuaries, Actuarial Educators & Students,

With all of the difficult news in 2020, I am pleased to report that ACTEX has responded with new, dynamic online tools and product improvements that meet the teaching and learning needs of the actuarial community.

Clearly, 2020 is the year of COVID-19. However, for large number of actuarial professors and students, it's also the year of GOAL. Launched in 2017 as an online exam preparation tool for students' independent study, GOAL and its database of over 10,000 preliminary exam questions has quickly become the go-to online classroom tool for actuarial professors around the world. To meet your unique teaching needs and preferences, we have expanded GOAL's capabilities with fully customizable classroom functionality, similar to WebAssign and other well-known classroom tools.

Academic GOAL – A Snapshot

- 10,000+ preliminary exam questions
- Complete control over question and assignment content
- Automatic grading
- Instructional videos for students
- Free to professors/universities; discounted to students

Academic GOAL – Prepare for Fall Classes

- Coming soon for Fall 2020 semester classes – GOAL will be re-aligned to match the structure of these popular textbooks and repopulated with suggested assignments for your review, modifications and use in the classroom.
 - ✓ Probability for Risk Management (Hassett et al.)
 - ✓ Probability & Statistics with Applications (Asimow & Maxwell)
 - ✓ Mathematics of Investment and Credit (Broverman)
 - ✓ Models for Quantifying Risk (Camilli et al.)
 - ✓ Actuarial Mathematics for Life Contingent Risks (Dickson, Hardy & Waters)
 - ✓ And more, inquire for an additional list of titles
- Additional grading, reporting and export features
- FERPA compliant

GOAL Student Version – More, More, More

- More free video instruction
- More simulated exams
- More written answer LTAM questions
- More GOAL Scores – our predictive and diagnostic tool – now available for Exams P, FM, IFM, STAM and LTAM

SEE PAGE 6 FOR MORE INFORMATION ABOUT ACADEMIC GOAL

If you are not familiar with GOAL, I encourage you to contact Alysia Lurvey - Alysia@actexmadriverr.com today. You'll be pleased that you did.

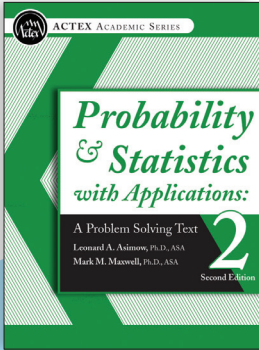
Regards,

Bill Marella

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Official SOA Exam P Syllabus References



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

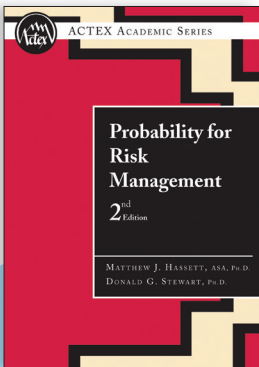
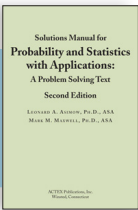
Leonard A. Asimow, Ph.D., ASA | Mark M. Maxwell, Ph.D., ASA

600 pages, 7” x 10” | **Softcover \$129.00 | Ebook \$119.00**
 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 \$109.00 | Ebook \$99.00**
 ISBN: 978-1-56698-548-2 | Solutions Manual: 978-1-56698-583-3

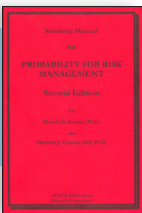
This unique text differs from most intermediate probability texts in that it focuses the theory directly on applications in the general field of financial risk management, including insurance, economics and finance. It is appropriate for a first course in probability for students having already had two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

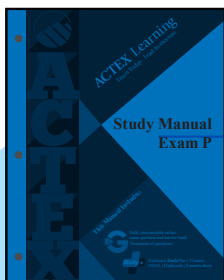
From our students:

“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.”



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

ACTEX SOA Exam P Study Manual



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

3-hole punch \$115.00 | Digital \$115.00
570 pages, 9" x 11" | ISBN: 978-1-64756-043-0

Included with this manual:



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.

- Covers all of the SOA learning objectives for this exam.
- This 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.

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

Free 24-hour trial available. See page 6 for details.

- 1,300+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
- Available as a stand alone purchase: 6-month access only \$59!

Additional Study Materials for SOA Exam P

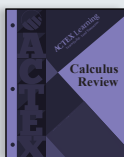
ACTEX Online Course for Exam P Preparation

On-demand | 10-Week | 18-Week Courses



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.



ACTEX Calculus Review, Fall 2020 Edition by Samuel Broverman, Ph.D., ASA

3-hole punch \$68.00 | Digital \$68.00 | Free trial | ISBN: 978-1-63588-887-4

Comprehensive review of the calculus knowledge assumed on ALL SOA & CAS exams. The manual includes 12 tests and a new section and problem set on basic linear algebra.

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

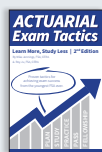
Digital \$45.00

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

Printed & Virtual: 12 month license \$48.00

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

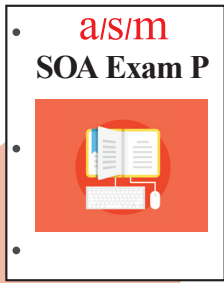


Actuarial Exam Tactics: Learn More, Study Less, 2nd Edition

Mike Jennings, FSA, CERA | Roy Ju, FSA, CERA | Softcover \$21.95 | Ebook \$9.95 | ISBN: 978-1-63588-890-4

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

ASM SOA Exam P Study Manual



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

3-hole punch \$115.00 | Digital \$115.00
500 pages, 9" x 11" | ISBN: 978-1-64756-038-6

Included with this manual:



- 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.
- All exercises have complete solutions.
- 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.

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

Free 24-hour trial available. See page 6 for details.

- 1,300+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
- Available as a stand alone purchase: 6-month access only \$59!

Additional Study Materials for SOA Exam P

ACTEX/ASM Flashcards

Printed & virtual: 12 month license \$48.00

- Printed: Compact and easy to arrange.
- Virtual: Study on the go, these flashcards can be shuffled and arranged to show one or more topics at the same 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 exam 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.

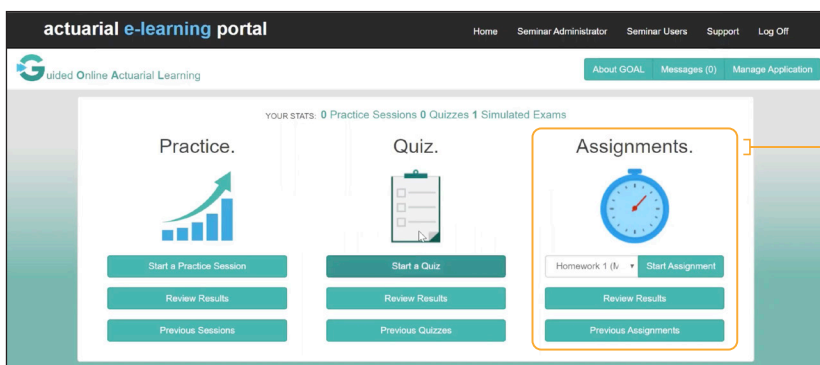


Academ

Free, online actuarial science lectur

An Actuarial Science Online Classroom Tool Unlike Anything You've Seen!

Academic GOAL provides professors with a free actuarial science database of over 10,000 questions from which to build assignments like homework, quizzes and tests. Professors have 100% control over questions, solutions and content allowing for customized learning. If it seems too good to be true, let us make a believer out of you.



Assign customized homework, quizzes, and tests.

100% control over questions, solutions and content.

Customized learning.

Teach exactly as you wish:

- ✓ Full editing capabilities to customize any question or solution(s)
- ✓ 100% control over every aspect of the question and assignment content with your individually managed copy of the GOAL exam database
- ✓ Quickly build the structure of your course assignments and easily populate your assignments with existing questions
- ✓ 5 assignment types, including randomized questions and written answer responses
- ✓ Classroom/online lecture features, promoting student engagement and “flipped classroom” learning methods
- ✓ Add your own questions or we’ll import them for you
- ✓ Select the level of difficulty (or range) for each question or assignment

Your online classroom tool includes:

- ✓ Automated grading of multiple-choice questions with 100% control over when, or if, grades and solutions are released to students
- ✓ Simple enrollment – students are automatically added to your class roster with one, shared access code per class
- ✓ Analyze performance in multiple ways – by student and/or assignment

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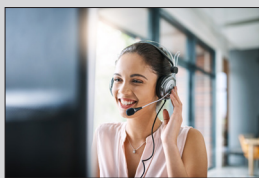
re and classroom tool for professors

GOAL with Textbooks

Coming soon for Fall 2020 semester classes – GOAL will be re-aligned to match the structure of popular textbooks and repopulated with suggested assignments for your review, modifications and use in the classroom.

Additional Benefits for Your Students

- ✓ Independent study access to all GOAL questions not selected for use in your classroom (typically 800+ remaining questions, organized by SOA/CAS learning objective)
- ✓ Topic-by-topic instructional videos – released to students concurrently with the answers and solutions
- ✓ **STUDENT DISCOUNT:** Students can purchase access to Academic GOAL for classroom assignments at a substantial discount when compared to individual access to GOAL



Request a live demo and learn more:

You simply cannot appreciate the power, ease and customization of Academic GOAL without seeing it live. Please contact us to set up a Zoom demo session: Alysia Lurvey, Director, Academic & Corporate Solutions, ACTEX Learning alysia@actexamdriver.com

Free with ACTEX or ASM Study Manuals

GOAL: Practice Questions, Quizzes and Simulated Exams Available for P, FM, IFM, LTAM, STAM, SRM, MAS-I & MAS-II

Free 24-hour trial available.

- 10,000+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
- Available as a stand alone purchase: 6-month access only \$59!

GOAL is an e-learning exam 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



Flag for review, record notes & email the professor

Monitor difficulty level

Got it wrong? Often there is a simple reason why

actuarial e-learning portal

Home Service Administrator Terminal Users Support Log Off

GOAL

Question

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%.

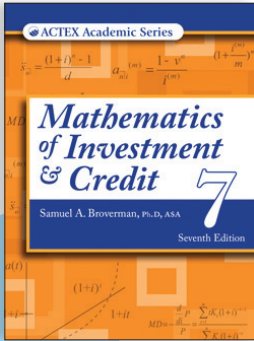
A 2,834.65

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

C 2,829.60

D 2,759.65

Official SOA Exam FM Syllabus Reference



Mathematics of Investment and Credit, 7th Edition*

Samuel Broverman, Ph.D., ASA

608 pages, 6" x 9" | **Softcover \$125.00** | **Ebook \$115.00**

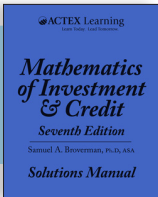
ISBN: 978-1-63588-221-6 | Solutions Manual: 978-1-63588-223-0

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.

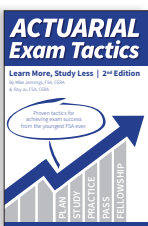


From our students:

"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



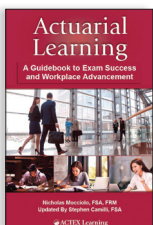
Actuarial Exam Tactics: Learn More, Study Less, 2nd Edition

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

100 pages, 6" x 9" | **Softcover \$21.95** | **Ebook \$9.95** | ISBN: 978-1-63588-890-4

This book presents the study strategies that helped Roy Ju become the world's youngest FSA, 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.



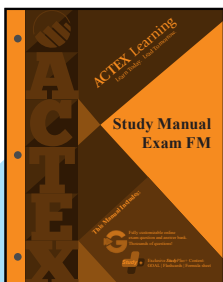
Actuarial Learning: A Guidebook to Exam Success and Workplace Advancement

Nicholas Mocchiolo, FSA, FRM | Updated by Stephen Camilli, FSA

129 pages, 6" x 9" | **Softcover \$19.99** | **Ebook \$9.99** | ISBN: 978-1-62542-375-6

An efficient and effective book written specifically for actuarial students and those who are considering an actuarial career. It includes detailed information on the various actuarial organizations in the United States, Canada and beyond, along with descriptions of education programs. Learn how to maximize success on the exams, the non-technical skills critical to longer-term success in the profession, and how to advance your career. It is a perfect single source career development reference for aspiring actuaries.

ACTEX SOA Exam FM Study Manual



Fall 2020 Edition by John Dinius, FSA | Matthew J. Hassett, Ph.D. | Michael I. Ratliff, Ph.D., ASA | Toni Coombs Garcia | Amy C. Steeby, MBA, MBd

3-hole punch \$160.00 | Digital \$160.00
765 pages, 9" x 11" | ISBN: 978-1-64756-048-5

Included with this manual:



- 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.

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.

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- 1,700+ exam-style questions.
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- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
- Available as a stand alone purchase: 6-month access only \$59!

Additional Study Materials for SOA Exam FM

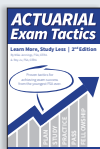
ACTEX Online Course for Exam FM Preparation

On-demand



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 \$21.95 | Ebook \$9.95 | ISBN: 978-1-63588-890-4

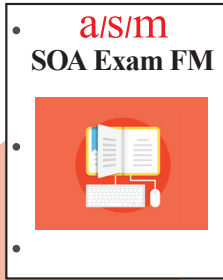
Learn how to pass your exams while studying less. This book presents the study strategies that helped Roy Ju become the world’s youngest FSA, finishing the SOA’s exams, and becoming an FSA, at the age of 20.

ACTEX/ASM Flashcards

Printed & virtual: 12 month license \$80.00

- Printed: Compact and easy to arrange.
- Virtual: Study on the go, these flashcards can be shuffled and arranged to show one or more topics at the same time.

ASM SOA Exam FM Study Manual



14th Edition by Wafaa Shaban, ASA, Ph.D. | Harold Cherry, FSA, MAAA

3-hole punch \$162.00 | Digital \$162.00

600 pages, 9" x 11" | ISBN: 978-1-64756-030-0

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

Try before you buy

24-Hour free trial!
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.”

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

Free 24-hour trial available. See page 6 for details.

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- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
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Additional Study Materials for SOA Exam FM

ACTEX/ASM Flashcards

Printed & virtual: 12 month license \$80.00

- Printed: Compact and easy to arrange.
- Virtual: Study on the go, these flashcards can be shuffled and arranged to show one or more topics at the same time.



IPASS Rewards

Sign up for an IPASS account and earn points for every dollar spent when you shop.
100 IPASS points = \$1.00 savings.

Validation by Educational Experience

SOA & CAS Approved Online Courses for VEE Credit

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.



Why choose an ACTEX VEE Online Course?

- **Designed specifically for actuaries.**
- **All course materials included.**
- **Pass Guarantee:** students unable to achieve a passing score may retake the entire course, or the final examination only, one time, at no additional charge.
- **Flexible final exam dates:** our on-demand courses with CBT final exams allow students to choose their exam date and time with no restrictions.
- **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.
- **CBT or Paper & Pencil Exams:** students can arrange a CBT final exam or be mailed a paper and pencil exam.

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. 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."

Learn more at www.ACTEXMadRiver.com/VEE

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.



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 the following modules: capital budgeting and investment decisions, cost of capital, accounting concepts, and financial statements. 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. All necessary materials are included.



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. Key concepts such as discounted cash flow analysis, debt and equity financing, investment decision rules, financial statement analysis, financial and accounting ratios, portfolio diversification, and weighted-average cost of capital will be discussed. 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



Macroeconomics

John Perry, Ph.D.

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Comparable to one undergraduate semester in macroeconomics, this course provides a foundation in macroeconomic 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.



Microeconomics

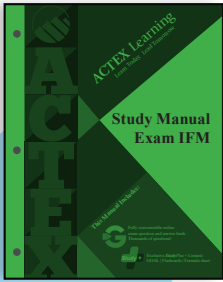
John Perry, Ph.D.

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

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



Fall 2020 Edition by Johnny Li, Ph.D., FSA

3-hole punch \$169.00 | Digital \$169.00

1382 pages, 9" x 11" | ISBN: 978-1-64756-115-4

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.
- Concludes with 5 mock exams with original questions and detailed solutions.

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Includes GOAL: Practice Questions, Quizzes and Simulated Exams

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- 1,000+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
- Available as a stand alone purchase: 6-month access only \$59!

Additional Study Materials for SOA Exam IFM

ACTEX Flashcards

Printed & virtual: 12 month license \$80.00

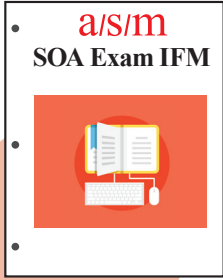
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ASM SOA Exam IFM Study Manual



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

3-hole punch \$169.00 | Digital \$169.00

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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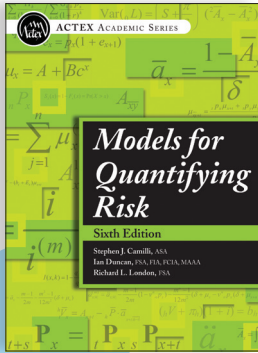
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Addresses All Learning Objectives for Exam EA-1

Models for Quantifying Risk, 6th Edition*

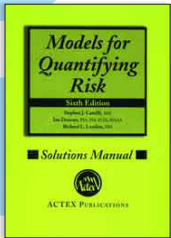
Stephen J. Camilli, FSA | Ian Duncan, FSA, FIA, FCIA, FCA, CSPA, MAAA | Richard L. London, FSA

524 pages, 7” x 10” | Softcover \$101.00 | Ebook \$91.00

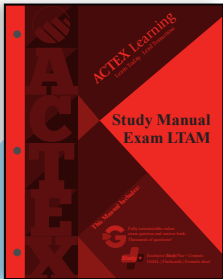
ISBN: 978-1-62542-347-4 | Solutions Manual: 978-1-62542-348-1

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.



ACTEX SOA Exam LTAM Study Manual



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

3-hole punch \$255.00 | Digital \$255.00

1800 pages, 9” x 11” | ISBN: 978-1-63588-927-7

Included with this manual:



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

Included with purchase

- 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 conclude with 8 complete sample exams and solutions offering additional practice.

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

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- 1,800+ exam-style questions.
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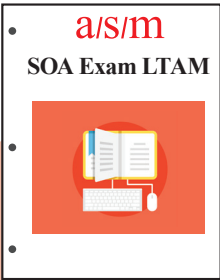
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1st Edition, 6th Printing by Abe Weishaus, Ph.D., FSA, CFA, MAAA

3-hole punch \$255.00 | Digital \$255.00
2000 pages, 9" x 11" | ISBN: 978-1-64756-080-5

Included with this manual:



- Comprehensive coverage of the syllabus for Exam LTAM.
- Over 1800 end-of-lesson exercises, including 773 original and 1038 old exam questions, plus over 350 examples and 90 in-lesson exercises.
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- 1,800+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
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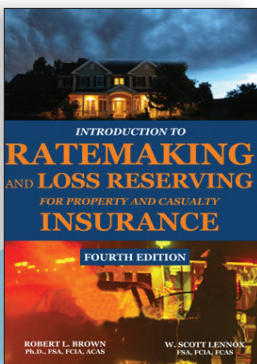
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EXAM STAM

Required Reading for SOA Exam STAM



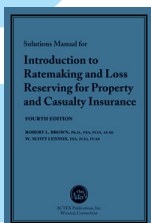
Introduction to Ratemaking and Loss Reserving for Property and Casualty Insurance, 4th Edition*

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

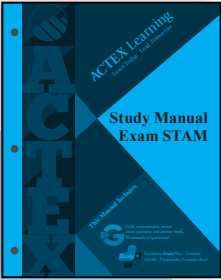
220 pages, 6" x 9" | **Softcover \$93.00 | Ebook \$83.00**
ISBN: 978-1-62542-474-7 | Solutions Manual: 978-1-62542-475-4

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.



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

3-hole punch \$255.00 | Digital \$255.00
1125 pages, 9" x 11" | ISBN: 978-1-64756-053-9

- 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.

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

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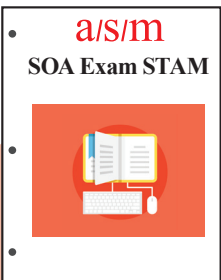
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ASM SOA Exam STAM Study Manual



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3-hole punch \$255.00 | Digital \$255.00
1500 pages, 9" x 11" | ISBN: 978-1-64756-105-5

- Comprehensive coverage of the syllabus for Exam STAM.
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- 12 practice exams, all having 35 multiple-choice questions all with complete solutions.

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

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- 900+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
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Included with this manual:



StudyPlus+ Bonus Material:
GOAL, flashcards, formula sheet,
Excel and R training webinars,
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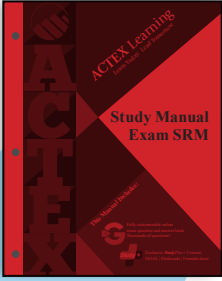
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3-hole punch \$255.00 | Digital \$255.00
600 pages, 9" x 11" | ISBN: 978-1-64756-065-2

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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.

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

Free 24-hour trial available. See page 6 for details.

- 850+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
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Additional Study Materials for SOA Exam SRM

ACTEX On-demand Webinars - see page 20 for more info

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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

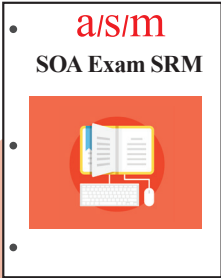
Expression of data through visual means facilitates an understanding of complex mathematical models for decision makers who may not be accustomed to them. This webinar covers some of the fundamental principles that inform human visual perception and includes guidelines to lead you through the steps for 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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2nd Edition by Abe Weishaus, Ph.D., FSA, CFA, MAAA

3-hole punch \$255.00 | Digital \$255.00
1300 pages, 9" x 11" | ISBN: 978-1-63588-919-2

Included with this manual:



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

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

Free 24-hour trial available. See page 6 for details.

- 850+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
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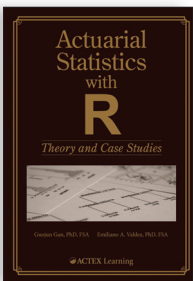
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A great resource for learning and teaching the material on Exam SRM



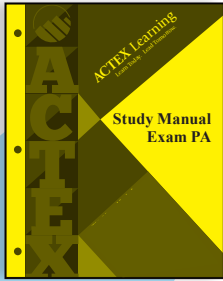
Actuarial Statistics with R: Theory and Case Studies, 1st Edition*
Guojan Gan, Ph.D., FSA | Emiliano A. Valdez, Ph.D., FSA

396 pages, 6" x 9" | **Hardcover \$99.00 | Ebook \$89.00**
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.

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Fall 2020 Edition by Ambrose Lo, Ph.D., FSA, CERA

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- 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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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

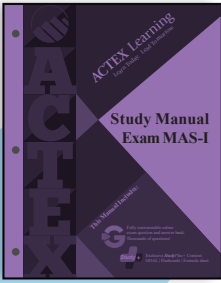
The rise of so many diverse machine learning algorithms means new tools have emerged to place them in a consistent framework. This webinar covers a few of these tools and an overview of the most popular machine learning techniques. Learn how to adjust your data for modeling, select from several different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

ACTEX Professional Series of On-demand Webinars - Excel: Building Technical Skills for Actuaries

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



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

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

- Written to help students grasp the material effectively and efficiently.
- Contains illustrative examples, which are original or taken from relevant past exams and/or required textbooks.
- Highlights important exam items and common mistakes committed by students are highlighted.
- Includes 3 practice exams with detailed solutions.

Included with this manual:



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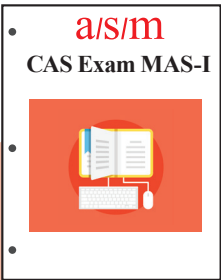
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- 1,100+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
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ASM CAS Exam MAS-I Study Manual



1st Edition, 6th Printing by Abe Weishaus, Ph.D., FSA, CFA, MAAA

3-hole punch \$255.00 | Digital \$255.00
 1221 pages, 9" x 11" | ISBN: 978-1-64756-057-7

- 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.

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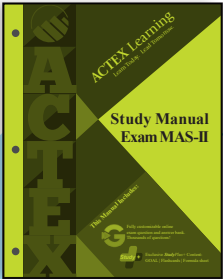
- 1,100+ exam-style questions.
- 3 levels of difficulty.
- 3 learning modes (practice, quiz & simulated exam).
- NEW GOAL Score: our predictive & diagnostic exam prep tool.
- Free instructional videos, where applicable.
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Additional Study Materials for CAS Exam MAS-I

ASM Flashcards Printed & virtual: 12 month license \$80.00

- Printed: Compact and easy to arrange.
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ACTEX CAS Exam MAS-II Study Manual



Fall 2020 Edition by Jeffrey S. Pai, Ph.D., ASA, ACIA | Alisa Walch, FCAS, MA

3-hole punch \$255.00 | Digital \$255.00
429 pages, 9" x 11" | ISBN: 978-1-64756-073-7

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

Includes GOAL: Practice Questions, Quizzes and Simulated Exams

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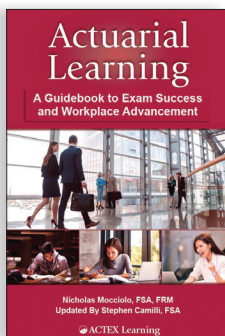
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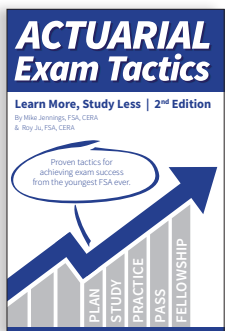


Actuarial Learning: A Guidebook to Exam Success and Workplace Advancement **Nicholas Mocchiolo, FSA, FRM | Updated by Stephen Camilli, FSA**

129 pages, 6" x 9" | **Softcover \$19.99 | Ebook \$9.99** | ISBN: 978-1-62542-375-6

An efficient and effective book written specifically for actuarial students and those who are considering an actuarial career. It includes detailed information on the various actuarial organizations in the United States, Canada and beyond, along with descriptions of education programs. Learn how to maximize success on the exams, the non-technical skills critical to longer-term success in the profession, and how to advance your career. It is a perfect single source career development reference for aspiring actuaries.

"Given that you can spend over 300 hours studying for just one actuarial examination, it is well worth an investment of two to three hours to read this fine summary of how to study for and write actuarial exams. Written in an easy style, this book is full of sound suggestions to improve your efficiency on these trying examinations. Not only that, but if you follow the advice given faithfully, it could just make the difference between receiving a six versus a five." Robert L. Brown, Professor Emeritus, University of Waterloo; Past President, Society of Actuaries and International Actuarial Association



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

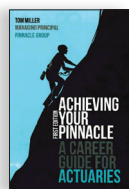
Mike Jennings, FSA, CERA | Roy Ju, FSA, CERA

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This book presents the study strategies that helped Roy Ju become the world's youngest FSA, 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

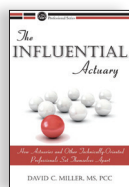


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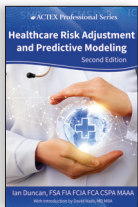


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David Miller, FSA, MS, PCC

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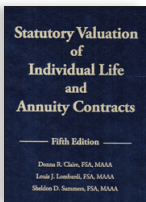
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Ian Duncan, FSA, FIA, FCIA, FCA, CSPA, MAAA

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Course of Reading for SOA Fellowship Study in the Group & Health Specialty Track. A comprehensive guide for healthcare actuaries and other professionals interested in healthcare data analytics, risk adjustment and predictive modeling. The book first introduces the topic with discussions of health risk, available data, clinical identification algorithms for diagnostic grouping and the use of grouper models.

"All in all, this is the work of a superbly mathematical yet practical mind. Ian Duncan's work is a brilliant exposition of analytical techniques, coupled with a masterful explanation of how to apply health risk analysis in a series of relevant, real world case studies."

- Regina E. Herzlinger, Nancy R. McPherson Professor Business Administration, Harvard Business School

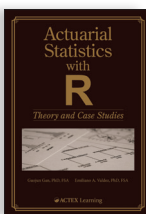


Statutory Valuation of Individual Life and Annuity Contracts, 5th Edition, Volume I & Volume II
Donna R. Claire, FSA, MAAA | Louis J. Lombardi, FSA, MAAA | Sheldon D. Summers, FSA, MAAA

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Volume II: 441 pages, 8" x 10" | **Hardcover \$125.00** | **Ebook \$115.00** | ISBN: 978-1-63588-540-8

This text is listed in the Course of Reading for SOA Fellowship study in the Individual Life & Annuities Track and the Life and Health Qualifications Seminar of the American Academy of Actuaries. This book covers the basic principles of the statutory valuation of individual life insurance and annuity contracts in the United States, including experience studies, model governance, and risk-based capital. It was written both for practicing actuaries and those considering a career in financial reporting, product development or risk management. The fifth edition of this book, previously titled Valuation of Life Insurance Liabilities, has been divided into two volumes. Volume 1 focuses primarily on basic principles, the valuation process, model governance, and formula-based reserves. Volume 2 focuses primarily on principle-based reserves, experience studies, and risk-based capital.



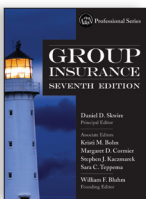
Actuarial Statistics with R: Theory and Case Studies, 1st Edition
Guojan Gan, Ph.D., FSA | Emiliano A. Valdez, Ph.D., FSA

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

This book is uniquely prepared as a single source to cover traditional and modern methods of data analytics. It teaches the steps of how to implement and validate models in R at an elementary level and gives students the opportunity to experience the power of applied statistics and R programming first-hand with real world problems. It also provides a theoretical framework, but at the same time, uses the case study method to better connect theory and practice and bridge the gap between academia and industry. A solutions manual is available that includes complete solutions to the practice problems in the text.



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Daniel D. Skwire, Principal Editor

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On the Required Reading List for the SOA Group & Health Core US/Canada Exam, Group & Health Advanced Exam, Group & Health Specialty Exam, and Corporate Finance and ERM Group & Health Extension Exam.

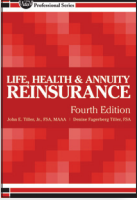
Since its original publication in 1992, Group Insurance has been an essential tool for anyone who wishes to practice in the group benefits field. This text is a comprehensive treatment of all aspects of group insurance in the United States and Canada. It addresses life and health insurance as well as government programs and more specialized forms of insurance. Emphasis is placed on the actuarial aspects of this field including pricing, regulation, underwriting, financial reporting, and modeling.



The Art & Science of Life Insurance Distribution
Douglas J. Bennett, FSA | Walter H. Zultowski, Ph.D.

ILA Exam Reading

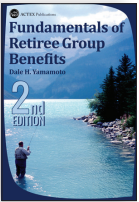
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G&H Exam Reading

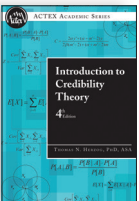
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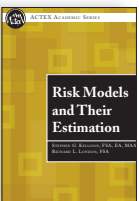
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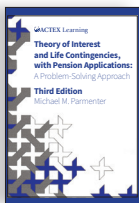
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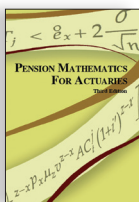
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EA-1 Exam Reading

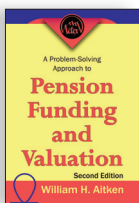
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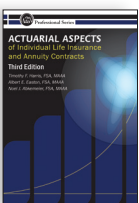
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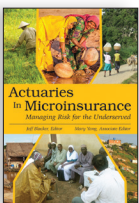
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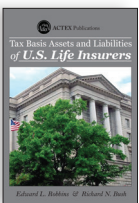
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