

# EDUCATION COMMITTEE OF THE SOCIETY OF ACTUARIES (SOA)

## INTRODUCTORY STUDY NOTE

**EXAM SESSION:** FALL 2022

**EXAM: QUANTITATIVE FINANCE AND INVESTMENT—INVESTMENT RISK MANAGEMENT**

**DATE:** Friday, November 4, 2022; Time scheduled with Prometric Test Center

1. The examination will consist of two hours of written-answer questions worth 40 points. The examination clock during the exam will provide a total of two hours and fifteen minutes. The additional fifteen minutes may be used at the exam taker's discretion for such things as reading time, breaks, or additional work time on the exam.
2. The SOA has established a [recommended order for each fellowship track](#).

This order is NOT mandated. Each candidate will determine the appropriate sequence based on factors including readiness to sit for an exam, exam administration schedules, or study time available. However, the Education committees believe that these recommendations provide the most effective guide for candidate success. An examination/module may assume familiarity with material that is covered in any requirement that is recommended to come before that examination or module.

3. The Syllabus material includes textbooks, online readings, and the study notes listed in the Appendix. The Appendix also may contain additional important information regarding this exam. A complete listing of the Syllabus and Learning Objectives is located in this exam's home page on the SOA Web site. Study notes listed with an asterisk (\*) will also be included in the Revision set of study notes.
4. Several [book distributors](#) carry some or all of the textbooks for the Society of Actuaries exams.
5. Any changes in the Syllabus for this exam will be published under "Updates" in this exam's home page on the SOA Web site.
6. [Past exams, solutions and case studies](#) are available on the SOA Website.
7. There is no case study for this exam.
8. The candidate should be very familiar with the Learning Objectives. These Learning Objectives are the first ingredient in developing the syllabus and also guide the examination committee when writing questions. The Learning Objectives set out the cognitive level needed to pass this exam. You will notice that the candidates are expected to "analyze," "explain," "calculate," "describe," "apply," etc. While studying the syllabus material, candidates may want to refer back to the Learning Objectives to remain focused on the goals of the exam.
9. The examination questions for this exam will be based on the required readings for this exam. If a conflict exists (in definitions, terminology, etc.) between the readings for this exam and the

readings for other exams, the questions should be answered on the basis of the readings for this exam.

10. Candidates may ONLY use these battery or solar-powered Texas Instruments models: BA-35, BA II Plus\*, BAII Plus Professional\*, TI-30Xa, TI-30X II\* (IIS solar or IIB battery), and TI-30X MultiView\* (XS solar or XB battery). Candidates may use more than one of the approved calculators during the examination.

Calculator instructions may not be brought into the exam room. During the exam, the calculator must be removed from its carrying case so the supervisor can confirm that it is an approved model. Candidates using a calculator other than the approved models will have their exams disqualified.

Candidates can purchase calculators directly from: [Texas Instruments](#), Attn: Order Entry, PO Box 650311, Mail Station 3962, Dallas, TX 75265, phone 800/842-2737.

*\*The memory of the **BA II Plus, BA II Plus Professional, TI-30X II and TI-30X MultiView** calculators will need to be cleared by the examination supervisor upon the candidate's entrance to the examination room.*

11. A list of various [seminars/workshops](#) and [study manuals](#) appears on the SOA Web site. These seminars/workshops and study manuals do not reflect any official interpretation, opinion, or endorsement of the Society of Actuaries or its Education Committee.

Please note that the Education Committee expects candidates to read the material cited in the *Syllabus* and to use other material as a complement to the primary sources rather than a substitution for them.

12. The Society of Actuaries provides study notes to persons preparing for this examination. They are intended to acquaint candidates with some of the theoretical and practical considerations involved in the various subjects. While varying opinions are presented where appropriate, limits on the length of the material and other considerations sometimes prevent the inclusion of all possible opinions. These study notes do not, however, represent any official opinion, interpretation or endorsement of the Society of Actuaries. The Society is grateful to the authors for their contributions in preparing study notes.

The American Academy of Actuaries, the Canadian Institute of Actuaries, the Conference of Consulting Actuaries, and the Society of Actuaries jointly sponsor various examinations administered by the Society of Actuaries.

## APPENDIX

Study notes for this exam

Code	Title	Former Code
QFII-101-14	Chapter 11 of <i>Strategic Management: An Integrated Approach</i> , 10 <sup>th</sup> Edition	
QFII-103-14	Advances in Risk Management and Risk Governance	
QFII-104-14	Correlation: Pitfalls and Alternatives	
QFII-110-15	The Devil is in the Tails: Actuarial Mathematics and the Subprime Mortgage Crisis	
QFII-111-17	Tracing the True Origins of Bad Behavior: New Ways to Predict Conduct Risk Exposure	
QFII-116-19	Chapter 45 of <i>Risk Management: Foundations for a Changing Financial World</i>	
QFII-117-19	Chapter 7 of <i>Strategic Risk Management Practice: How to Deal Effectively with Major Corporate Exposures</i>	ERM-107-12
QFII-119-19	Chapter 3 of <i>The Known, the Unknown, and the Unknowable in Financial Risk Management: Measurement and Theory Advancing Practice</i>	QFIC-104-13
QFII-120-20	Note on Enterprise Risk Management for Capital and Solvency Purposes in the Insurance Industry	ERM-702-12
QFII-121-22	Chapter 2 of <i>Quantitative Enterprise Risk Management</i>	
QFII-122-21	Chapter 9, Section 6 of <i>Managing Investment Portfolios: A Dynamic Process</i> , 3 <sup>rd</sup> Edition	
QFII-123-21	Stress Testing and Scenario Analysis	
QFII-125-22	Chapter 17 of <i>Value at Risk</i> , 3 <sup>rd</sup> Edition	
QFII-126-22	Aggregation of Risks and Allocation of Capital	
QFII-127-22	Chapters 3, 6, 7, 8 and 9 of <i>Quantitative Enterprise Risk Management</i>	