Shape the Future of Actuarial Science Education!

Join the CAS Global Teaching Materials Innovation Challenge

Submission deadline: September 18, 2026

Why Participate?

By joining this challenge, you will:

- **Develop dynamic teaching materials** to be used for a variety of educational purposes, bridging the gap between academic theory and real-world practice for actuarial students around the globe. Preference will be given to materials focused on general insurance / property & casualty insurance and relate directly to content included on CAS exam syllabi. Teaching materials can be case studies, gamified or AI-augmented learning experiences, scenario-based simulations (e.g. catastrophe event response, claims surge management), unit plans, and more. Innovative approaches are highly encouraged.
- **Enhance and diversify students' learning experiences** by introducing them to a broader range of actuarial work, equipping them with valuable skills that increase their appeal to future employers.
- **Contribute to a global library of teaching tools** covering a vast array of topics within the general insurance/property and casualty field.
- **Gain international recognition** as an innovator in actuarial education.
- **Win exciting prizes,** including: cash prizes, social media recognition, and the opportunity to present winning case studies at a CAS event.

Casualty Actuarial Society

Are you ready to shape the future of actuarial education? The Casualty Actuarial Society (CAS) invites academics, industry professionals, and innovators to participate in the second Global Teaching Materials Innovation Challenge. This is your opportunity to create impactful teaching tools, inspire future actuaries, and gain global recognition.

Continue reading for more information about this exciting opportunity.

CAS Global Teaching Materials Innovation Challenge

Contest Terms and Conditions

Deadline for Submissions: September 18, 2026

The CAS Global Teaching Materials Innovation Challenge aims to expand and enrich our library of classroom resources that reflect real-world challenges in general insurance actuarial science. By contributing, you will play a vital role in enhancing the hands-on learning experience for university students worldwide, bridging the gap between theory and practice.

About the Competition

Teaching materials should be on general insurance/property and casualty related actuarial science and data science/predictive analytics related topics, including but not limited to motor, property, commercial, product warranty, agriculture, microinsurance, etc. Submissions that incorporate global perspectives, emerging risks (e.g., climate, cyber, generative AI, data ethics), or underrepresented markets are strongly encouraged. Submissions may include interactive and technology-enabled formats, with appropriate access and documentation provided.

Submissions will become property of the Casualty Actuarial Society and serve as shared resources for educators, providing dynamic tools to enhance learning experiences in university actuarial programs. Authors will be properly credited in all uses of the material. Materials should be original works, free of third-party copyright restrictions. All materials must be in English.

What Strong Submissions Demonstrate

A panel of CAS members will review submissions and score them based on the following criteria:

- Clear connection to real-world actuarial decisions in the general insurance / property & casualty insurance field
- Ready-to-use classroom materials with demonstrated pedagogical effectiveness
- Engaging student experience (not just technical correctness)
- Innovation and creativity
- Technical rigor
- Clarity and thoroughness of presentation in the submission

Who can participate?

We welcome faculty members teaching actuarial science or related courses, CAS University Liaisons, industry professionals, and innovators from around the globe to participate in this challenge.

We encourage partnerships between academia and industry. Collaborative efforts can produce well-rounded, impactful, and creative submissions that connect educational concepts to industry practice. Participants may provide more than one submission, either individually or as a part of a team.

Contest Prizes

Cash Prizes

The top submissions will be recognized with prizes which may be granted to the individuals or their institution:

1st Place: $2,500 USD

2nd Place: $1,000 USD

3rd Place: $500 USD

Global Recognition

The CAS will provide recognition to competition winners by showcasing their teaching materials prominently through Academic Central and highlighting their accomplishments on social media.

Speaking Opportunities

Winners may also be invited to present their submissions at a future CAS event.

Depending on the number and quality of submissions, multiple prizes may be awarded at various levels.

Requirements for Teaching Material Submissions

To ensure the teaching materials are ready for classroom use, you will be requested to include the following elements during the submission process:

1. **Project Title and Summary:** Include a 2-3 sentence summary of the main objectives and format.
2. **Estimated Time Needed:** Provide guidance on the estimated time needed in total hours required for both in-class and any out-of-class activities. This will help instructors plan accordingly and adapt the class material to their course schedules.
3. **Learning Objectives:** Clearly outline what students should learn from the exercise. Specify the skills they will develop, whether it's applying specific actuarial methodologies, conducting data analysis, or understanding industry-related decision-making processes.
4. **Content and Background:** Provide necessary background information, industry context, and assumptions to set the stage for the problem.
5. **Data Sets (Optional):** Include any data sets or references students will need for analysis, along with any assumptions or simplifications where applicable. Datasets may be provided in Excel, CSV, or other commonly used data formats. Any data should come from public data sources or be properly anonymized if from a private source.
6. **Guiding Questions and Prompts:** Supply specific questions and prompts to encourage students' critical thinking and problem-solving. These should lead students through the analysis process, focusing on evaluating risk, financial impact, and model development.
7. **Methods of Student Assessment:** Suggest ways to assess student performance and understanding. Consider different assessment types, such as written reports, group presentations, or model-based analyses, that instructors could adapt to their teaching style.
8. **Suggested Presentation Materials:** Include any slides, videos, or other visual aids that could assist in introducing and framing the exercise. These materials should make it easier for instructors to engage students and teach the material effectively.
9. **Teaching Notes and Solution Outline (Optional):** To further aid instructors, consider providing a solution outline or teaching notes with insights on guiding students through the case analysis. This helps professors facilitate discussions and evaluate students' grasp of key concepts.
10. **Format and Access Instructions:** For interactive or digital submissions (e.g., Jupyter notebooks, dashboards, simulations, or applications), please provide access via appropriate platforms (e.g., GitHub, cloud-hosted tools, or video links). Include clear instructions for use, required software, and any setup steps needed for instructors and students.

The CAS reserves the right to ask clarifying questions and for some updates to materials prior to awarding prizes. The CAS may also modify or adapt materials for educational purposes.

Link to Submit

For questions, please contact international@casact.org.

Casualty Actuarial Society