# ACTUARIAL ASSOCIATION OF EUROPE

## AAE Core Syllabus 2018: Current Update

# Terms of References

The goal of the AAE Syllabus 2018 Task Force of the AAE Education Committee is to:

- Develop a new AAE Education Syllabus and present this to the Education Committee in autumn 2018

For this the Task Force will rely on the following criteria:

- The syllabus should be based on learning objectives
- The structure of the Mutual Recognition Agreement will be unchanged, i.e. only one tier (recognizing that any change was not a matter within the remit of the Education Committee)
- Bloom's taxonomy will be used as a guide but not a requirement
- ECTS/hours expectations will also be used as a guide but not a requirement

# Terms of References (cont‘d)

For this the Task Force will rely on the following criteria (cont’d):

- The mathematics requirement will be made more explicit than the current IAA Syllabus
- There will be sufficient flexibility built into the compliance requirements without detracting from substantive compliance
- Assessment with the new syllabus will be undertaken by each association providing a detailed mapping of their syllabus versus the AAE’s Syllabus which will be overseen by the Education Committee
- The starting point for the new AAE Syllabus will be the current IAA Syllabus (passed in 2017)

Members of the Task Force are: Janne Kaippio, Régis de Laroulliere, Rafael Moreno, Olivier Steiger, Marjon Tjia and Henning Wergen (chair)

# Current Status

Based on the Terms of References the Task Force had several conference calls and discussions via e-mail; a preliminary result was presented to the Education Committee in its meeting on 4 May 2018 in Warsaw

The current proposal (new guidelines and new syllabus) can be found in the separate document

**It is proposed to present the new syllabus together with the guidelines as soon as possible to member associations**

**The goal is to have it passed by the general assembly in 2019**

# Remarks on the Current Proposal

The Task Force agreed to use the IAA Education Syllabus as a starting point (including its structure, the content in form of learning objectives and Bloom's Taxonomy as a non-binding guidance)

- It was explicitly decided to not change the Learning Areas, even though there is some overlap in the Learning Areas "Economics", "Finance", "Financial Systems" and "Assets"
  - These Learning Areas could have been reorganised, but due to reasons of simplicity and to have a better comparison to the IAA syllabus this was rejected

# Remarks on the Current Proposal (cont‘d)

The Task Force used the existing AAE Education Guidelines as a starting point and updated several parts (i.e. added explanation of Bloom’s Taxonomy) so that they now fit to the structure of the new proposed syllabus

# Remarks on the Current Proposal (cont‘d)

The Task Force added several learning objectives to the syllabus to better cover the expectations towards an European actuary:

- 1.3: new paragraph on graduation and statistical test
- 6.3.4: clarification on application of neural networks and decision trees
- 7.1.9: change in taxonomy on calculating risk measures from B to C
- 7.2.2: change in taxonomy on techniques for creating new distributions from B to C
- 7.4.1 – 7.5.5 : changes in taxonomy on aggregate models and survival models from B to C with an additional clarification in 7.4.2
- 7.6.2, 7.6.4, 7.6.5: changes in taxonomy from B to C
- 7.6.6 – 7.6.8: additions and clarifications in non-life and reinsurance techniques
- 8.3.3 – 8.3.5: additions and clarifications on risk measurement and modelling

# Remarks on the Current Proposal (cont‘d)

The Task Force added several learning objectives to the syllabus to better cover the expectations towards an European actuary:

- …
- 8.4.4: addition on stakeholders in risk management strategies
- 8.5.3: clarification and change in taxonomy on communication in risk management
- 9.1.2: clarification and change in taxonomy on communication
- 9.2.6 – 9.2.8 and 9.2.10: clarifications and changes in taxonomy on decision making process
- 9.5: additions on international umbrella organisations and their roles and tasks

# Remarks on the Current Proposal (cont‘d)

The Task Force has rewritten the paragraph on a necessary “specialisation” and renamed it “advanced skills” based on a decision by the Education Committee in May 2018

The necessary mathematical foundation will be labelled “prerequisite” and will not be an explicit learning area of the syllabus

- There is a clear reference in the guidelines explaining the role of foundation mathematics
- The Task Force felt that this solution covers the different understandings of the necessary mathematical background in the best way possible

# Remarks on the Current Proposal (cont‘d)

Next to Bloom’s Taxonomy the Task Force has added a global guidance on necessary Credit Points with regard to ECTS for the whole syllabus

Both measures, Bloom’s Taxonomy as well as ECTS, are not prescriptive

The Task Force proposes to keep the process of checking the coverage of the syllabus by MA untouched

- It will be the task of the Education Committee to define a suitable procedure

# ACTUARIAL ASSOCIATION OF EUROPE

Actuarial House
1 Place du Samedi
100 Brussels
Belgium
www.actuary.eu
Follow us on twitter: @InfoAAE