

# National Course modification summary: Applications of Mathematics



## National 4, National 5, Higher: session 2021–22

### National 4

#### Added value unit

The requirement to complete the added value unit is removed for session 2021–22. To achieve the overall course award for National 4 this session, candidates must pass all other contributing units in the National 4 course. You must submit a 'pass' result for the added value unit to ensure your candidates are certificated for the course award.

You are not required to gather evidence for the added value unit this session; however, it is important you give candidates opportunities to develop and demonstrate the skills, knowledge and understanding outlined in the National 4 added value unit specification, where possible. This will support your candidates as they progress to further learning and assessment at SCQF level 5.

### National 5

Component	Marks	Duration
Question paper 1	35	50 minutes
Question paper 2	55	1 hour 40 minutes

#### Question paper

The following content will not be assessed in the question papers in session 2021–22:

- ◆ scale drawing
- ◆ planning a navigation route
- ◆ line of best fit

### Higher

Component	Marks	Duration
Question paper	65	2 hours 5 minutes

## Question paper

The following content will not be assessed in session 2021–22:

- ◆ mathematical modelling — evaluating the effects of error and tolerances within mathematical models:
  - calculating the limits for compound measures: for example, velocity, density, or journey times
  - determining if a process is within tolerance
- ◆ finance — insurance:
  - understanding the purpose of insurance products
  - analysing the risks associated with insurance products
- ◆ statistics — applying statistical skills to basic probability:
  - constructing tree diagrams and Venn diagrams
  - carrying out basic calculations involving the combination of events, where information may be displayed in tables or graphs, such as tree diagrams and Venn diagrams
- ◆ planning and decision making:
  - understanding and interpreting risk by calculating the expected value of costs and benefits of decisions
  - applying expected value to real-life contexts and understanding this is an important part of decision making

## Project

There are no changes to the project for session 2021–22.

If you have any questions about these changes, please email [qualification.development@sqa.org.uk](mailto:qualification.development@sqa.org.uk).