

Many thanks for the report of the validation panel for our proposed level 8 degree programme BSc Physics with Data Science. The Programme Committee would like to thank the panel for their careful consideration of the programme, for their praise for the programme during the validation event, and for their useful recommendations.

We have considered the report and have implemented all of the conditions in a revised programme document, which is attached. Please see the red text below which indicates how we have responded in relation to each condition.

### Conditions

- Rewrite the programme learning outcomes using active and measurable terminology and ensure that they link with the NFQ. Some of the module learning outcomes could be migrated to programme learning outcomes.

The Level 8 (and the Level 7 and Level 6 exit award) programme learning outcomes have been rewritten as requested.

- Module Learning Outcomes should be reviewed to ensure that all are written with active and measurable verbs, to consolidate learning outcomes where appropriate and to consider the appropriateness of any duplication. Particular attention should be paid to how the learning outcomes are written for the attainment of competencies.

All module descriptors on the programme have been reviewed in light of this condition. Where learning outcomes were not written with active and measurable verbs they have been adjusted to be so written. The updated module descriptors are included as Appendix 3 of the attached revised Programme Document.

- Review the assessment schedule to ensure that the workload is balanced at a programmatic level.

The full assessment schedule has been reviewed to ensure that workload is balanced at a programmatic level. The detailed schedule of assessments will be given to students at the start of the academic term. The Programme Team is satisfied that the overall balance of assessments is appropriate. This balance of assessment will be reviewed by the Programme Committee on an ongoing basis.

- The Quantum Mechanics text should be on the required reading list for Phys3001.

The textbook Introduction to Quantum Mechanics by A. C. Phillips has been added to the essential reading field.

- Articulate the Graduate Attributes for the programme and indicate where these are achieved on the programme.

The Graduate Attributes have been articulated in a new appendix (Appendix 2) and a table included to indicate where these are achieved on the programme.

- Remove the NFQ level from the module descriptors. Should the School wish at a future date to provide modules as standalone CPD modules, at this stage appropriate levels can be assigned to the modules to be offered.

The NFQ level has been removed from all of the module descriptors. The school will give consideration over the coming year to providing suitable modules as stand-alone CPD modules.