



SOUTH EAST TECHNOLOGICAL UNIVERSITY

COURSE EVALUATION 3

ASSESSORS' REPORT TO ACADEMIC COUNCIL

COURSE(S) EVALUATED:	Master of Science in Analytical Science with Quality Management; Postgraduate Diploma in Science in Analytical Science with Quality Management
SCHOOL:	Science and Computing
DEPARTMENT:	Science

INTRODUCTION

The following is a review report to Academic Council from the panel of assessors on the proposal from the School of Science and Computing at South East Technological University to change certain aspects of the Master of Science in Analytical Science with Quality Management and the Postgraduate Diploma in Science in Analytical Science with Quality Management through the University's Course Evaluation Stage 3 (CE3) process. In accordance with the regulations governing the evaluation of new programme proposals, as set out in the South East Technological University *Programme Quality Assurance Enhancement Policy and Procedures*, the programme proposal was reviewed by a panel of assessors.

The panel of assessors who contributed to this report were:

- Dr Mike Casey, Head of School of Chemistry, UCD, Dublin
- Dr Hazel Farrell, Academic Council Representative, South East Technological University
- Dr Colette Moloney, Assistant Registrar, South East Technological University
- Majella O'Shea, Education Policy Consultant and Executive Coach
- Dr Cormac Quigley, Lecturer, School of Science and Computing, ATU (Galway Campus)

In accordance with the regulations set out in the aforementioned *Programme Quality Assurance Enhancement Policy and Procedures*, a review meeting took place on 19 May 2022. The review meeting was conducted virtually via Teams. The following members of the South East Technological University team were present:

- Prof Peter McLoughlin, Head of School of Science and Computing
- Dr Orla O'Donovan, Head of Department of Science
- Dr Tracey Coady, Lecturer, Department of Science
- Prof Helen Hughes, Lecturer, Department of Science
- Dr Mike Kinsella, Lecturer, Department of Science
- Dr Claire Lennon, Lecturer, Department of Science
- Dr Richie Ryan, Lecturer, Department of Science
- Martin Walshe, Lecturer, Department of Engineering Technology

The assessors wish to thank the members of the development team for engaging generously and openly with the review process.

SUMMARY RECOMMENDATIONS AND CONDITIONS

2.1 General Remarks

The panel commends the School on proposing to introduce a bespoke module in the very topical area of sustainability and on their engagement with industry to inform programme development. The panel **recommends approval of the changes proposed for the Master of Science in Analytical Science with Quality Management and the Postgraduate Diploma in Science in Analytical Science with Quality Management** until the next School Review in the School of Science and Computing. **Approval is conditional on the submission of a revised programme document that takes account of the conditions and recommendations outlined below; and the submission of a summary document describing the responses and actions of the School to address the conditions and recommendations made by the review panel.**

Areas for attention have been emboldened in the text for convenience of reference. Action is required on items marked ‘Conditions’ and such action is mandatory if the programme is to be approved; action is highly recommended on items marked ‘Recommendations’.

2.2 Conditions

- **The new module, ‘Green and Sustainable Pharmaceutical Production’, should be entered on the SETU Waterford module catalogue and staff Curriculum Vitae included with the revised proposal document.**
- The module aim, as stated in the module descriptor, did not fully reflect the nature of the module as articulated by the programme team at the review meeting. **The aim of the module ‘Green and Sustainable Pharmaceutical Production’ should be revised in the module descriptor to ensure that it outlines the key aspects of the module content. The module learning outcomes should then be reconsidered to ensure that they are aligned to the module aim, are expressed in language appropriate to the level and use measurable verbs. The assessment should in turn be aligned to the module learning outcomes.**

2.3 Recommendations

- The Indicative Content proposed for the ‘Green and Sustainable Pharmaceutical Production’ module appeared ambitious and not all was core to the nature of the module. **The Indicative Content should be reviewed to ensure that it aligns with the revised module aim and that its scope is appropriate to the parameters of the module.**
- **The School should keep the programme under review to ensure it remains relevant to developments in the pharmaceutical industry, particularly the bio pharmaceutical industry.**
- In discussion with the panel, the team outlined a more varied and innovative approach to teaching, learning and assessment than that described in the documentation. **The teaching and learning methodologies proposed for online delivery of the new module should be better articulated and detailed in the proposal document. The School should engage with the SETU Centre for Technology-Enhanced Learning re online delivery to better inform a revised teaching and learning strategy for the module in the proposal document. An indication of the expected nature of the 222 hours of independent learning proposed should be given to inform the expectations of learners re commitment. A clearer rationale for the assessment proposed for the module, a more detailed breakdown of same, and detail on the proposed feedback channels for learners should be included in the document.**
- **The School should consider where the principles of sustainability and the environment are, or could be, embedded in the other modules on the programme.**
- **The School should check the document for references to WIT/SETU to ensure that it is up to date *vis-à-vis* the recent establishment of the South East Technological University.**

Signed:

Dr Hazel Farrell

Date:

*CE3: MSc in Analytical Science with Quality Management/PGDip in Science in
Analytical Science with Quality Management*

Approved by
Academic Council: _____