4.3. Programme structure

The programme, Postgraduate Certificate in Applied Statistics, is a single-stage, 30 ECTS credits programme. ECTS denotes European Credit Transfer and Accumulation System and is a measurement of the student workload associated with a module. It is used within TU Dublin to denote the learning credits associated with any module. A total of 5 ECTS credits is equivalent to a student study workload of 100 hours. These hours are a combination of contact with lecturers (through lectures, tutorials, practical sessions, laboratory sessions and group study sessions) and self- study (including online delivery).

The programme is part-time and is in modular form. There are four modules, two scheduled in each semester. Students enter the programme in September and study the programme over a period of one academic year. The timetable for the programme is designed to accommodate working and part-time students and, typically, lectures are delivered two evenings per week (6.30pm – 9.30pm).

The Postgraduate Certificate in Applied Statistics is awarded to candidates who successfully complete 30 ECTS credits. Below is a summary of the modules, including their learning and assessment requirements. The detailed syllabus for all modules are given in the Syllabus section. (CA indicates Continuous Assessment component.)

List of modules for TU248 Postgraduate Certificate in Applied Statistics

Module	Title	ECTS Credits	Semester
MATH 9901	Introduction to Probability and Statistical Inference	10	1
MATH 9902	Statistical Programming and Applications	5	1
MATH 9903	Linear and Generalised Regression Models	7.5	2
MATH 9904	Topics in Applied Statistics	7.5	2

Description of module workload and Assessment

Module	Title	Lecture/ tutorial (hrs)	Self-study (hrs)	Total (hrs)	Assessment
MATH 9901	Introduction to Probability and Statistical Inference	39	161	200	Case Study (40%) Online Quizzes (20%) Short Answer Test (40%) *Threshold of 30% on Case Study and Short Answer Tests*
MATH 9902	Statistical Programming and Applications	39	61	100	Case Study (2 x 40%) MCQs (20%)
MATH 9903	Linear and Generalised Regression Models	39	111	150	Data Analysis Report (2 x 60%) Short Answer Test/ MCQ (40%) *Threshold of 30% on Data Analysis Reports and Short Answer Test/MCQ*
MATH 9904	Topics in Applied Statistics	39	111	150	Data Analysis Reports (100%), typically 3 reports and a presentation