

Final Probation Report

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1 Introduction

This document aims to evidence my accomplishments during the probationary period of my lectureship:

- Section 2 will discuss my participation in PCUTL. Due to the volume my module 3 submission, I will keep this section brief.
- Section 3 will not only list my publications and grant income but also discuss my future plans for research.
- Section 4 will demonstrate my contribution to innovation and engagement as well as a detailing my administrative responsibilities.
- Section 5 will demonstrate my competency with the Teaching and Research grade 7 profile.

2 Teaching

I started PCUTL (HMT007) in [FIND DATE HERE] and completed the 3rd module on [FIND DATE HERE]. I fully engaged with this process obtaining my certificate with distinction.

My module 3 portfolio is attached but due to the page count of that submission (FIND PAGE COUNT) is summarised below:

- Rigorous statistical analysis of a student survey investigating student perceptions of formative assessment. A manuscript is in preparation to submit to a pedagogical journal.
- Detailed review and critique of active learning techniques including Inquiry Based Learning and Flipped Classrooms;
- Reflection within my subject area on the defining properties of a modern mathematician which should include not only entrepreneurial skills but also programming skills;
- Rigorous and justified implementation of a new module (MA1003) taught using an innovative and modern pedagogy (a flipped classroom delivered to a class of 160 students);
- Peer review by multiple Cardiff University colleagues, international peers and engagement with higher education academy.

The following summarises my present teaching philosophy which is a direct result of the PCUTL process:

Aim to provide learning opportunities to students in a constructivist framework, using technology to enhance a scaffolded active student centred experience.

As well as going through the PCUTL process I have been involved in various other teaching activities as summarised in Table 1.

Course Title	Level	Involvement
Computing for Mathematics	First Year BSc.	Designed, Lead and Delivered
OR 2	Final Year BSc.	Designed and Delivered half of course
OR Methods	MSc.	Designed and Delivered 4/11 of course
Advanced Statistical Packages	MSc.	Designed, Lead and Delivered
Introduction to Object Oriented Programming	MSc.	Designed and Delivered 2 day hackathon
Introduction to L ^A T _E X	BSc. and MMath	Designed, Lead and Delivered

Table 1: Summary of involvement in taught courses

3 Research and Scholarship

4 Contribution to Innovation and Engagement

5 Additional Requirements

6 Conclusion