Introduction
The Postgraduate Certificate in Implementation Science course has been designed to improve the knowledge and skills of health, social care and education professionals in the area of Implementation Science (IS), with regard to the core principles of IS and their application to the complex environment of the health and social services. This internationally accredited course is aimed at the broad range of professionals working in health, social care and education who have responsibility for implementation of policies, programmes or projects. In addition to the core elements of IS the course also includes contributions from leading policymakers, senior managers and researchers in health, social care and education systems in Ireland and the US thus ensuring a practical focus and equipping participants with the skills and theoretical understanding needed to implement policies, programmes and interventions effectively in a rapidly changing environment. It also provides a firm foundation for those who wish to undertake research in IS. Particular emphasis is placed on the importance of interdisciplinary exchange within small group settings. Case studies and class discussion will facilitate the application of learning. The course is designed to cater for the needs of EU and non-EU students. The Course is a Level 9 course on the National Framework of Qualifications.

Aims
The aims of the course are as follows:

1. To impart the core theory of Implementation Science to health, social care and education practitioners and to support the application of Implementation Science in the health, social care and domains of practice
2. To analyse the factors impeding implementation in a variety of settings
3. To foster multi-disciplinary learning in an academic setting where the multi-disciplinary and multi-organisational backgrounds of the students will be developed as a source of learning.
4. To provide a firm foundation for those who wish to undertake research in IS

Intended Participants
Prospective students must be graduates in a health or social care-related discipline with at least 3-4 years professional experience.

Other applications may be considered in exceptional circumstances based on workplace experience. Short-listed applicants may be interviewed if it is not possible to make a decision based on the online application.

Candidates from within and outside the EU will be eligible for enrolment onto each course, providing their primary degree is from a recognised institution.

Applications for admission to the course will be made online at http://www.tcd.ie/courses/postgraduate/az/course.php?id=DPCMD-isci-1P09. The closing date for applications for entry to the course will be the end of June of the year of admission, however late applications will be considered in the event of places not being filled.

Course Structure
The course is a taught programme, delivered over one academic year between September and May comprising 30 ECTS credits in a total of six modules:

- Core Elements of Implementation Science Part 1 (5 credits)
- Core Elements of Implementation Science Part 2 (5 credits)
- Managing People in Organisations-management and organisation behaviour (5 credits)
- Managing people in Organisations-human resources management
- Information for implementation-using data to drive the implementation agenda (5 credits)

Project Management (5 credits)
Information for implementation-using data to drive the implementation agenda (5 credits)

Each module is typically three days duration (Wednesday/Thursday/Friday) and consists of a combination of formal face-to-face teaching sessions, workshops and interactive/practical sessions. Some modules may consist of a combination of face-to-face and on-line (blended) learning.

Completion of each module is obligatory. Students are recommended to attend all of the taught modules.

Course Content and Timetable

Module 1: Core Elements of Implementation Science (Michaelmas term)
This module introduces the aims and objectives of the course. It will introduce students to the core elements of Implementation Science, both theory and practice. It will expose students to a number of different implementation frameworks and to real life case studies of implementation in health and social services.

Module 2: Core Elements of Implementation Science (Michaelmas term)
This module exposes students to further implementation frameworks and provides an opportunity for critical analysis of their usefulness in health, social care or educational setting.

Module 3: Managing People in Organisations-management and organisation behaviour (Michaelmas terms)
This module will describe the organisational behaviours common to most organisations and provide insights into the role of managers and leaders in modern day organisations. The synergistic relationship between individual and group behaviour and organisational culture is central to the module. Its aim is to ensure that participants fully appreciate the role, scope and importance of strategically managed organisations and to make the connection with relevant implementation frameworks.

Module 4: Information for implementation-using data to drive the implementation agenda (Hilary term)
This module will introduce the students to the vital role of data, information, and knowledge to drive change and improvement throughout an implementation cycle. The theory and practice of the systematic use of data, information, and knowledge sources and systems will be explored; from how these can be used to set a change agenda, assist in the exploration of options and harnessing of knowledge to drive improvement and innovation, tools. The module will address how to assess evidence, measure implementation outcomes, and evaluation. Students will have opportunity to apply measurement tools to a workplace-based project.

Module 6: Project Management (Hilary term)
This module will introduce students to the principles and practices of project management within an implementation context. Key examples will be provided by the module coordinator. The students will be introduced to the principles and practices of project management and business process design within an implementation context. They will be exposed to a number of different project management frameworks and to real life examples of project management within the public and private sectors. Students will have the opportunity to apply a project management framework to a workplace-based project.
Course Venue
The course will be run in the newly developed Trinity College Institute of Population Health in Tallaght.

Course Materials
Comprehensive course materials will be supplied for each module. In addition, students will be provided with pre-module reading before each of the taught modules. The students will be expected to review all material provided and to study the reading lists contained in the course materials. Course materials will be circulated electronically via an interactive web-based learning facility (Blackboard). Assignments for each module must be completed by each student and returned within the designated time frame. Late assignments will be subject to penalties.

Students will be expected to provide their own computer for online access.

Tuition Fees
For up-to-date fees please go to https://www.tcd.ie/academicregistry/fees-payments/course-fees/

Course Administration
The course is coordinated by the Department of Public Health and Primary Care at TCD. The course is delivered in collaboration with the Centre for Effective Services (CES). CES is an independent organisation that connects policy, practice and research, helping to ensure the implementation of effective services, to improve the lives of people across the island of Ireland.

Professor Joe Barry, Course Director
Professor Joe Barry has overall responsibility for the postgraduate course. He is Professor of Population Health Medicine in the School of Medicine. He was significantly involved in the organisation of a very successful Implementation Academy at TCD in 2015, held in association with the 3rd Global Implementation Conference in Dublin. He is an active member of national and international implementation networks. He has attracted considerable research funding in relation to substance misuse (drugs and alcohol). He has contributed to the extensive research output in relation to Ireland’s drug users over the past decade. This has enhanced the research profile within the health services and has facilitated collaboration between the research function in the health service and research activities in TCD.

Professor Catherine Hayes, Course Coordinator
Professor Catherine Hayes, Associate Professor in Public Health is responsible for the day-to-day running of the course. She has over two decades of extensive practitioner experience in the implementation of multisectoral clinical and health promotion initiatives within the health service and other bodies such as the local authority and the non-statutory sectors. She has significant input into national health policy initiatives around obesity and tobacco. She is a recent recipient of a major research Health Research Board grant for a trial on smoking cessation for disadvantaged women. She is an active member of national and international implementation networks and a member of the international Advisory board for the 2017 Global Implementation Conference.

Ms Katie Burke CES
Katie Burke is a Senior Manager at the Centre for Effective Services (CES) and is actively involved in the design and delivery of the postgraduate course. Katie has a particular interest in implementation science and led CES’s work to establish an All-island Implementation Network, collaborated with other European leaders to develop the European Implementation Collaborative and contributes as a Board member of the Global Implementation Initiative. Katie oversees much of CES’s work supporting policy makers in Ireland to implement significant change / reform programmes. Prior to joining CES in 2009, Katie was a management consultant in Ireland and France, providing strategic consultancy to government departments and agencies, and community and voluntary organisations across the health, social care and education sectors.

Course Executive Officer
Ms Ailbhe Mealy is the Course Administrator. [E-mail: amealy@tcd.ie]