Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Training and Education in Implementation Science

Prof Catherine Hayes

IMPRINT 4 Meeting
NUIG
19/09/2016

CONTEXT FOR COURSE (2014-)

Emerging movement globally – originated in justice system

Implementation Deficit Disorder

Summer School in Implementation Science (IS) – TCD 2012

Build capacity – develop practitioner skills

Post graduate Certificate in IS – TCD and Centre for Effective Services

Certificate Course accredited by TCD and externally

Level 9 -NFQ

CES CENTRE FOR EFFECTIVE SERVICES

ourses.

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Implementation Science (P. Grad. Cert.)

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> **Admission Requirements:** See bottom of this page

> **Closing Date:**
31 August 2016

> **Course Director(s):**
Professor Joe Barry

> **Course Coordinator(s):**
Professor Catherine Hayes

> **Course Administrator(s):**
Ms Ailbhe Mealy

> **Course Email(s):**
amealy@tcd.ie; hayesc9@tcd.ie

http://www.medicine.tcd.ie/public_health_primary_care/postgraduate/cis/

Aims of the Course

- **To bring the core theory of Implementation Science (IS) to health and social care practitioners and to support the application of IS in the health and social care domains of practice**

- **To critically appraise and analyse the factors facilitating and impeding implementation in a variety of settings**

- **To foster multi-disciplinary learning in an academic setting where the multi-disciplinary and multi-organisational backgrounds of the students are developed as a source of learning.**

Course Learning Outcomes

1   **Identify, source and critically appraise the academic literature on implementation science**

2   **Apply the core concepts of implementation science to (a) workplace project(s)**

3   **Identify and critically analyse what impedes implementation in a variety of health and social care environments**

4   **Correctly identify the stakeholders and appropriate skills needed for implementation of a chosen workplace project**

5   **Identify and critically analyse the role of individual and organisational behaviour in influencing change**

6   **Identify and apply the knowledge skills and professional competence relevant and necessary to the practice of human resource management**

Course Learning Outcomes (cont'd)

7   Reflect on their own experiences of organisational change and develop ways of helping themselves and other organisational members through the process of change.

9   Apply the principles of project management to (a) workplace project(s)

10   Appraise data and available information systems necessary for measurement of implementation.

11   Correctly apply the parameters needed for evaluation of (a) workplace project(s)

12   Present findings of investigations in a suitably academic written form –assignments.

Course Structure

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*)

- Management and Organisational Behaviour in Implementation *(5 credits)*

- Human Resource Mangagement for Implementation *(5 credits)*

- Project Management for Implementation (*5 credits*)

- Information for implementation (*5 credits*)

Each 5 credits -100 hours of learning

- 18 hours face to face teaching, case studies, group work, workshops

- 40 hours assignments (six in total)

- 42 hours self-directed learning including pre-reading material, on-line material and recommended reading. Course materials available via Virtual Learning Environment

Modules

- **Core Elements of Implementation Science Parts 1 and 2**

  - Implementation frameworks-application

  - Case study examples -leading policymakers and senior managers in the wider Irish health, social care and education systems

- **Management and Organisational Behaviour**

  - How relationship between individual and group behaviour and organisational culture influences behaviour change

- **Human Resource Mangagement for Implementation**

  - HR policies on recruitment, retention, coaching, teams

Modules

- **Project Management for Implementation**

  - Principles and practices of project management and business process design within an implementation context

- **Information for implementation**

  - How systematic use of data, information, and knowledge sources can be used to set a change agenda. What data to measure and how to measure it

Participants

- **Social Science / Sociology**

- **Senior Managers (MBA etc)**

- **Social Sciences/Childcare**

- **Nursing**

- **Physiotherapy**

- **Psychology**

- **Speech and Language Therapy**

- **Medical**

- **Accountancy**

Sources

HSE, clinical, managerial

TUSLA

Department of Health

Department of Justice

NGO – early years, youth mental health

Universities

Future

Masters in Implementation Science-Currently in development

Objective

- to provide skills necessary to undertake implementation research (research-led teaching)

- additional 30 ECTS for Diploma+Dissertation (30ETCS)

Other courses

National College of Ireland

- Certificate in Project Management and Implementation Science (CPMIS)

- 10 ECTS –Level 9

- how IS relates to current context in social and not for profit service provision

- THE WHEEL –support and representation for Community and Voluntary Organisations

- Quality Matters –resources for improving with social services

?UCD Department of Nursing, Midwifery and Health Systems

UK

King's College London Centre for Implementation Science

Part of Collaboration for Leadership in Applied Health Research and Care (CLAHRC)

- Short courses –Masterclasses, IS Mental Health etc

- <u>Professor Nick Sevdalis</u>, Professor of Implementation Science & Patient Safety

- Masters in IS and Improvement Science

DECIPHer

- Short courses - Process evaluation

Europe

Linkoping Sweden

Implementation Theory and Application in Health care

Department of Medical and Health Sciences

PhD level -5 Days face to face teaching

North America

NIH

Training Institute on Dissemination and Implementation Research (TIDIRH) D&I training across all areas of health and health care public health, and community settings

https://obssr.od.nih.gov/training/training-institutes/training-institute-on-dissemination-and-implementation-research-tidirh/

Knowledge Translation Canada

Summer Institute on Knowledge Translation- 3 day programme

http://ktclearinghouse.ca/ktcanada/education/summerinstitute

Implementation Research Institute Fellowships, Center for Mental Health Services Research, Washington University in St Louis.

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Thank You