Irish experiences of development of a new framework for PhD Education

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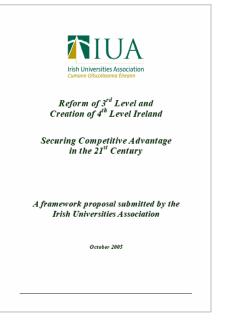
The national ambition: A new model for PhD training in Ireland

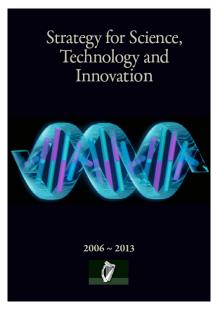
Key policy demands:

- Double PhD numbers
- Establish Graduate School system
- Change from apprenticeship to structured PhD
- Nationally co-ordinate training provision
- Put new emphasis on career paths

`4th Level Ireland

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	For Official Use	EDU/EC(2004)14
1	Organisation de Cooperation et de Développement Economiques Organisation for Economic Co-operation and Development	13-Sep-2004
	DIRECTORATE FOR EDUCATION EDUCATION COMMITTEE	English - Or. English
EDU/EC(2004)14	OECI	C
	REVIEW OF NATIONAL POLICIES FOR EDUCATION: Review o EXAMINERS' REPORT	f Higher Education in Ireland
	Special Services of the Educations Committee 9:30 - 18:00, 16 September 2004 Dublin Castle, Dublin, Ireland	
Eng	Connect: Abrar Hasan, Head, Education and Training Policy Division, Direct Tal: 33 (0) 14524 9221 - Email: abrar hasam@oecd.org	orate for Education/OECD
English - Or. English	JT00169055	<u> </u>





How did the Irish system react?

- •National definition of a structured PhD
- •National funding provided for collaborative structured PhD

programmes

- •National guidelines for PhD education
- •National agreement on PhD skill development agenda
- •Inter-institutional policy coordination (4th-Level Network)



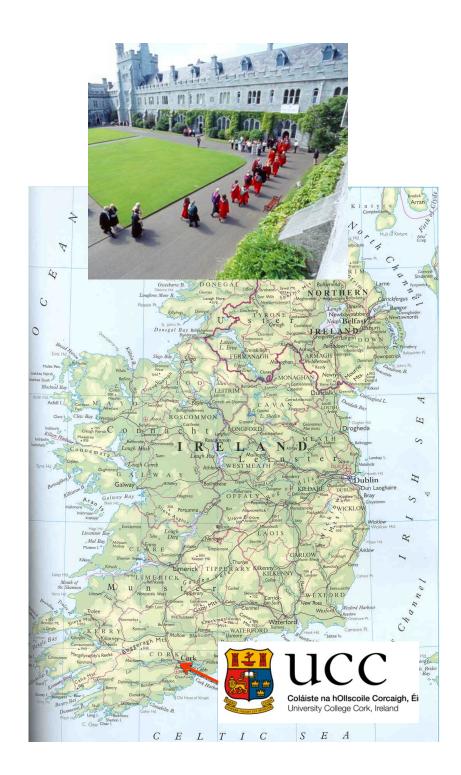


The Definition of the 'Structured PhD' in Ireland

- ✓ High quality research experience, training and output is key
- \checkmark Core and basis of award is the thesis
- Student normally has primary supervisor with supporting panel
- Employability beyond academia very important
- Formalised programme for education and personal and professional development (e.g., discipline-specific knowledge, generic, transferable and research skills) in place
- ✓ Programme depends on student and discipline
- ✓ Progress formal monitored within institutional system
- \checkmark Four year registration the norm
- ✓ Inter-institutional operation may be best model in some cases

University College Cork

- 2nd largest in Ireland
- All academic disciplines represented
- Four Colleges (mega-Faculties)
- 18,000 students
- 3,500 postgraduate students
- 1,100 PhD students
 (500 in 2005)



How did UCC respond to challenges?

Pre 2006:

- o Apprenticeship model of PhD study only model
- o No dedicated structures and offices to manage graduate education
- o Policies not fit for purpose for new type of PhD
- o Small numbers of students do PhD for academic career; non-academic careers not a focus

So, what changed?

1. Rebuilding structures

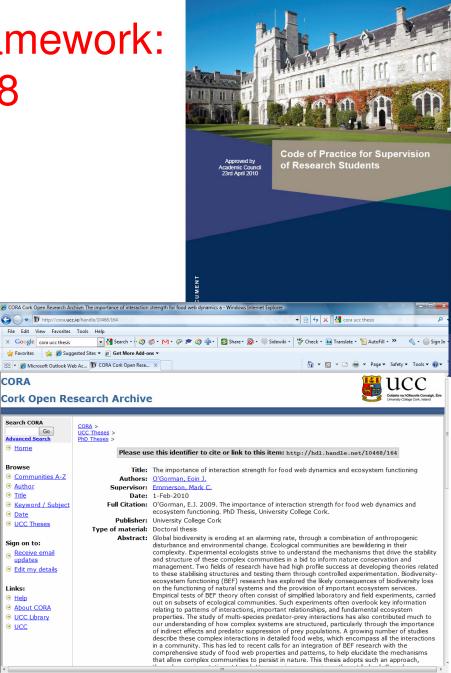
- Establishment of Graduate Studies Office (recruitment, registration, records, examination)
- University-level Officer (Dean) appointed
- University-level Committee established
- Colleges each have a Head of Graduate School for coordination of training and support
- Academic Units all have Graduate Studies
 Committees





2. Rebuilding a policy framework: developments since 2008

- New examination procedures for research degrees
- New Code of Practice for research supervision
- New Dispute resolution
 policy
- Promotion of team supervision
- Piloting Learning Plans for research students
- Repository of electronic
 research theses created



3. The UCC structured PhD model

- PhD degree recast in ECTS credits
- 3 or 4 years = 270 or 360 credits allowed 30 or 90 credits <u>non-thesis</u> elements
- Three models for students:
 - 1. Named thematic programme with prescribed elements (e.g., Education, Cancer Biology)
 - 2. Local academic requirements
 - 3. Voluntarily agreed training plan
- PhD internships recognised for credit
- Professional doctorates also developed (e.g., Clinical Dentistry, Social Sciences, Nursing Practice) but differentiated from structured PhDs

Research student training framework

- Wide range of modules specifically designed for research students
- Key themes and bundles of modules include: Generic research skills (e.g., scientific writing and communication, statistics, project management, information literacy, digital skills)
 Transferable skills (e.g., teaching and learning)
 Business, entrepreneurship and commercialisation
 Disciplinary skills (e.g., food, law, chemistry)
- Most PhD students can voluntarily tailor a personalised training plan by selecting a batch of modules to take



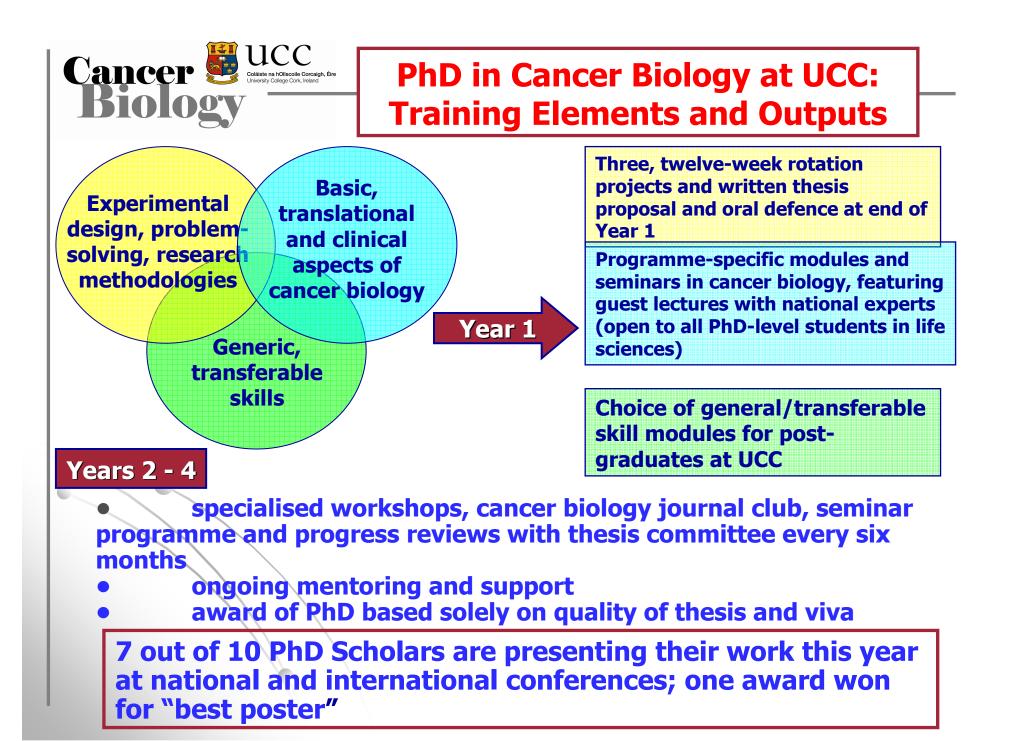






An example of a structured PhD programme at UCC:

- Follows a "1 + 3" training model; first year taught elements and laboratory rotations; years 2 – 4 thesis work
- Programme is led by PI, a dedicated training coordinator, and a steering committee of senior investigators, with industry support
- 22 participating investigators based in several academic and clinical departments at UCC
- Two cohorts of 8-10 PhD students total in training; incoming class of 8 PhD students selected from 620 applicants
- International links with institutions in USA, Cambridge University (UK), EMBL (Germany)





An inter-institutional structure: Food Graduate Development Programme

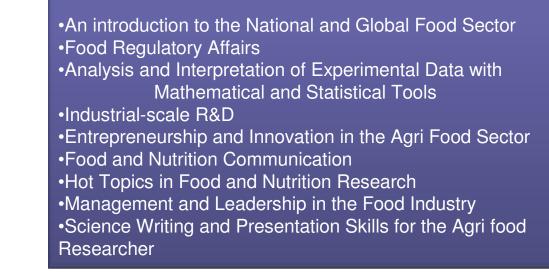


Department of Agriculture, Fisheries and Food An Roinn Talmhaíochta, Iascaigh agus Bia

• Provides specialised skills training to PhD and MSc students

- Inter institutional (UCD, UCC, Teagasc) management structure
- Students awarded ECTS credit for completion
- Input from key stakeholders (Food employers) to identify appropriate module themes through Project Management Group
- Over 250 students on 14 modules to date
- www.foodpostgrad.ie

Modules to date:





4. Improving the student experience

University College Cork



Turbocharge your writing

Would you like to know the secret to high output, low stress scholarly writing?

Friday, October 9th 2009 Due to popular demand — Second opportunity to attend 1.30pm to 4.30pm

Brookfield Health Sciences Complex Room 101

Places are limited and will be allocated on a first-come, first-served basis. Please email <u>m.nelson@ucc.ie</u> to confirm your place.

This workshop will help you to understand:

- ~ why it's hard to get started
- ~ how we deliberately use distractions to slow down writing
- ~ the principles of quick starting
- ~ how to deal with destructive internal beliefs
- ~ how to set a writing plan and stick to it
- ~ how to set achievable goals by writing in a silo
- ~ how to greatly increase the number of actual words you produce
- ~ how to clarify your thinking, and improve the quality of your work

Facilitator: Hugh Kearns, BAgSc, MEd, MMHS

Hugh Kearns is best known as a dynamic speaker, presenter and educator with international expertise in the areas of time management and work-life balance. He draws on almost twenty years of experience as a training and development professional within the corporate, financial, education and health sectors in Ireland, Scotland, New Zealand and Australia. He has consulted to a wide range of organisations in the public and private sectors. Currently he heads the unit providing professional development at Flinders University where he provides strategic guidance and development programs for university staff and students. In addition to his staff development role, Hugh is a regular lecturer and topic coordinator in the Masters of Mental Health (School of Psychiatry) at Flinders University and is an active researcher in the area of psychological wellbeing, and is a consultant to Adelaide to Outback GP Training Program.



BROADENING HORIZONS for PhD Students of Arts, Celtic Studies and Social Sciences

Monday 15th June 2009

Are you a PhD student with a keen eye on your future? Would you like to benefit from the insights of PhD graduates with thriving, fulfilling careers? This event is an opportunity to hear former PhDs describe their career journeys since graduation. Speakers will include graduates in both academic and non-academic roles.

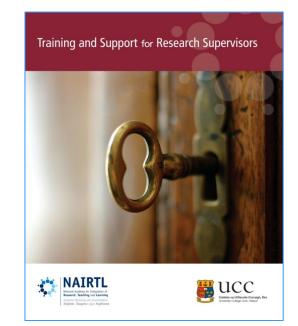
Reserve your place by contacting Donna McLaughlin at UCC Careers Service at 4903193 or <u>d.mclaughlin@ucc.ie</u>

Venue: Room 225, Brookfield Health and Science Building Duration: 9.30 - 13:00

5. Support for Supervisors

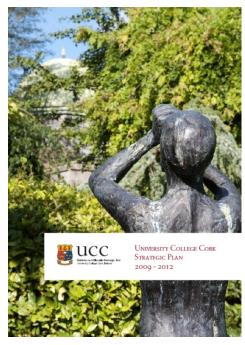
- UCC-led national project to develop training framework
- Development of new staff a key goal
- Three day training curriculum plus information and briefing sessions in UCC
- Training for researchers also
 introduced
- Accreditation being considered
- Quality assurance for supervision in development





What are our key performance indicators for graduate education?

- Graduate education has to be bought into at all levels of the university and prioritised strategically
- Key areas of monitoring include: Completion times Completion rates Numbers of structured programmes Numbers of structured modules taken
- How do we incentivise completion? Fees changes Annual reviews Supervisor training Student training and support (building a community) Dispute resolution





Summary: some final questions

- How to we build coursework and training into the PhD degree?
- What skill-set does a modern PhD need?
- How do we handle large increases in PhD numbers and where do they go afterwards?
- How do we have best quality assurance of supervision and progression?
- How can universities work together for benefit?

