



APPROACHES TO RESEARCH-TEACHING LINKAGES: SOME EXAMPLES

In developing a programmatic approach to embedding research in teaching, curriculum teams may decide to use a coherent combination of a range of approaches. This coherent framework may include approaches similar to some of the examples below.

1. Introducing Students to Faculty Research

- “Meet your Researcher” learning activities where students in small or large groups study the research of specific researchers in the school and meet with them to discuss their research and then share their learning with the rest of the class.
- [Teaching Strategies for Success - Video 5](#): this video shares an approach which exposes UCD first-year computer science students to research in the field and helps them to understand the practical applications of computer science from the start of the programme.

2. Research Skills Development

- Devising a map/table/visual metaphor for staff and students of the planned progressive development of research skills throughout a full programme. This helps students to see where they currently are on their research skill trajectory, what their future goals are and to make connections between different elements of the programme.
- [Research Skills Development Framework](#): this is an Australian framework that could be adapted or customised.
- A Framework that is generative of ideas for developing a comprehensive framework for research skills development: [University College London-Connected Curriculum - Enhancing Programmes of Study](#)
- Enquiry or Problem-based learning Initiatives. Students researching real-life problems and becoming more research literate.
- [A Practitioner’s Guide to Enquiry and Problem-Based Learning](#): many examples in different disciplines from UCD.
- [Stenden University Problem-based learning video](#): this outlines the 7-step approach of Problem-based learning.

3. Student Research Projects

- UCD School of Medicine and Medical Science [Student Summer Research Project](#): this is a 8-week supervised undergraduate student project within UCD research laboratories, at affiliated clinical sites or with patient advocate groups.
- This is a Higher Education Academy UK Guide: [Working with data sets with your students](#)
- Service Learning / Campus Engage research projects. Opportunities for students to engage in research that benefits groups and communities: [Campus Engage Case Studies](#)
- [Engaging People in Communities \(EPIC\)](#): Facilitates Community Based Research and Knowledge Exchange NUIG Galway.